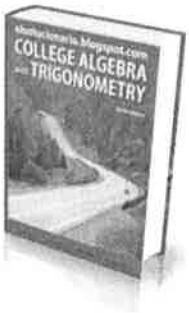
Algebra 2/Trigonometry Honors
Classroom Procedures and Expectations



Mr. Vonnahme
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Classroom Expectations:

- Respect yourself, your teacher, and your classmates
- Contribute to your own and other students' learning
- Make friends
- Actively participate in class
- Be attentive, on time, and on task
- Enjoy yourself!

Class Website:
https://hinsdale86.instructure.com/courses/2189

Supplies: (to be brought to class each day)

1. Pencil
2. Chromebook
3. Binder for storing class notes, handouts, and graded assignments (used solely for math class)
4. Loose leaf paper for class notes and homework assignments
5. Graphing calculator (Recommended: TI-84+CE)
6. Student Planner

Attendance and Make Up Work:

- You are expected to be in class every day. In the case of preplanned absences, please let me know ahead of time. If you are sick, follow the assignment list distributed at the beginning of each chapter and check our class website for class notes, worksheets, etc.
- You will be given the same number of days to complete make-up work as the number of days you were absent.
- It is your responsibility to keep track of your make-up assignments and to make sure that they get turned in and graded by me.
- If you are absent on the day of a test or quiz, you are expected to make up the test or quiz within five days of your return. You are responsible for arranging a time to make up the test or quiz, either in the test center, the math department office, or with me. Be prompt and prepared. Since the day before a test or quiz is used for review, being absent the day before a test or quiz does not excuse you from taking it when you come back.
- Make up privileges will be revoked for unexcused absences.

Tardiness: You are expected to be in the room when the bell rings, ready to begin working; otherwise you are considered tardy.

Behavior: As young adults, you are expected to behave respectfully towards all staff and students at all times. Absolutely no negative comments will be tolerated in this classroom. Pay attention at all times during class activities and discussions (no sleeping, talking, writing notes, doing work for another class, texting, listening to music, etc.). All inappropriate behavior will be dealt with on a case-by-case basis, with consequences ranging from a verbal reprimand to a dean's referral. All rules of the student handbook hold true in this class.

Plagiarism and Cheating: Plagiarism and cheating will not be tolerated in this class. The school rules on plagiarism and cheating as outlined in the student handbook will be followed.

Notes: Each student is responsible for taking notes during class. In the case of an absence, it is the student's responsibility to obtain the notes covered during the absence, either from the website or another classmate.

Homework Assignments: Each student is expected to complete ALL assigned homework and to identify any problems he/she had difficulty completing. Homework is to be done on loose-leaf paper, properly labeled with the student's name, section, page, problem numbers, and date. Most homework assignments are due the next day (unless otherwise stated), and will be collected to provide you feedback on your progress. Most homework answers will be provided to you so you may check your work and make corrections prior to submission. Be sure to show all work when completing homework problems. Most days, you will have an opportunity to ask questions about homework assignments so you may self-assess your understanding prior to submitting the homework.

Assignments will be given daily and a list of assignments will be distributed at the beginning of each chapter. This list is subject to change, and the most up-to-date version will be found on my website (listed above).

Late Work: Homework assignments will be accepted **one day late** for partial credit.

Tests and Quizzes: Tests and quizzes will be given regularly and will comprise a large portion of your grade. Tests and quizzes will be a combination of short answer, multiple choice, true/false, and written response questions. On some portions of quizzes and tests, you will be required to complete problems without the use of a calculator. Quiz and test content will be based on homework problems and material presented in class.

Projects: One or two projects may be assigned each quarter. These projects will be assigned as homework, and students will typically have 3-5 days to complete them. Upon assigning a project, your teacher will inform you of the due date and the project's point value, and will provide you with a detailed rubric for assessing the project.

Extra Credit: Extra credit opportunities may be provided throughout the course at the discretion of the teacher. Extra credit is not a substitute for completing class assignments.

Grading:

The following grading scale will be used:

100-89.5%	A
89.4-79.5%	B
79.4-69.5%	C
69.4-59.5%	D
59.4-0%	F

Grades will be weighted using the following percentages:

Tests & Quizzes	85%
Homework/In-Class Work	15%

Semester grades will be computed as follows: Each of the two quarters count for 40%, and the final exam counts for 20% of the semester grade. (You will also take a 1st and 3rd Quarter cumulative exam, which will be part of the respective quarter grade.)

Getting Extra Help: If, after completing assignments, and asking questions in class, you still have difficulty understanding a lesson, seek help immediately! Don't wait too long! Don't hesitate to come in. The best time to clear up questions is when they are fresh in your mind. I want to see you succeed and am ready and willing to help you when things are not going well.

I am available for extra help before and after school, and during school (Per 1, 2, 3, 4/5/6, 9) in the math department office (Room 105). If you want to schedule a specific time to meet with me, please e-mail or speak to me before/after class.

Welcome! I hope you have a successful and enjoyable year!

Algebra 2/Trig Honors
Chapter 3.1-3.3 – Functions!

Mr. Vonnahme

Monday	Tuesday	Wednesday	Thursday	Friday
		Aug 16 Introduction Interval Notation -Read Syllabus -Contact Info Sheet -Visit Website -Remind Signup	**Aug 17** Section 3.1 Functions Learning Targets: #1, 2 p. 171 #3-10, 13-27 odd, 28, 31, 34	**Aug 18** Section 3.1 Functions LTs: #3,4,5 p. 172 #36, 37, 38, 40, 42, 44 47, 52, 53, 59, 74, 89
Aug 21 Section 3.2 Domain, Range, Intervals LTs: #6-10 p. 184 #3, 9-20, 27-35 odd, 37, 38	**Aug 22** **Mini Quiz 3.1/3.2** **&** **Quadratics Pre-Assessment**	**Aug 23** Section 3.3 Basic Functions LT: #11 Worksheet	**Aug 24** Section 3.3 Transformations – Shifts/Reflections LT: #12, 13, 14 Required - Worksheet Optional - p. 199 #5, 7, 9, 11, 12, 15	**Aug 25** Section 3.3 Transformations – Stretches/Shrinks LT: #15, 16 Worksheet
Aug 28 Section 3.3 Multiple Transformations Required - Worksheet Optional - p. 199 #37, 38, 39, 40, 51, 53, 57	**Aug 29** Section 3.3 Multiple Transformations p. 200 #41-44, 56, 61, 62, 64-74, 85-90	**Aug 30** Review 3.1-3.3	**Aug 31** **Test** **3.1-3.3** HW: TBA	

1. Homework is assigned and assessed daily (both by you and me) to provide feedback on your progress.
   - Please show work on all problems to receive credit, including the T/F and Multiple Choice Problems. Please attempt all problems.
   - Please use the solutions provided to check your work and make revisions prior to submitting work.
   - Please label assignments - name, date, section, page, and problem numbers.
   - On most days, homework will be collected to provide you feedback on your progress.

2. Late homework is accepted one day late for half-credit.

3. If you have an Excused absence, you will have the number of days you were absent to make up the homework and missing classwork and assessments. Unexcused absences will result in a zero for any work due the day of absence, and anything due/assessed the day you come back is still due/assessed. For all absences, it is up to you to show me the missing work for credit.

Chapter 3.1-3.3 Learning Targets

Target #	Target Description	Example	
	Section 3.1 – Functions		
1	Define a function	Pg. 172 #9, 15, 21	
2	Using the vertical line test on the graph of a function	Pg. 172 #19, 21	
3	Find the domain of a function (use interval notation)	Pg. 173 #51, 59	
4	Using function notation	Pg. 173 #34	
5	Find the slope between two points	Pg. 173 #73	
	Section 3.2 – Graphing Functions		
6	Finding the domain and range of a function from the graph (use interval notation)	Pg. 184 #13	
7	Finding the domain of a function algebraically (use interval notation)	Pg. 185 #37, 43	
8	Finding the intercepts of a function		
9	Graphing a linear function using f(x)=mx+b	Pg. 185 #27	
10	Graph a piecewise function	Pg. 185 #51	
	Section 3.3 – Transformations of Functions		
11	Recognize several parent functions	Pg. 188 and 189 "Library of Elementary Graphs"	
12	Transform graphs vertically (up and down)	Pg. 200 #57	
13	Transform graphs horizontally (left and right)	Pg. 200 #49	
14	Reflect over x and y axis	Pg. 199 #19, 25	
15	Transform graphs by stretching or shrinking vertically	Pg. 200 #41	
16	Transform graphs by stretching or shrinking horizontally	Pg. 200 #43	

Algebra 2/Trig Honors
Chapter R1 & 1.1-1.3 – Functions!

Mr. Vonnahme

Monday	Tuesday	Wednesday	Thursday	Friday
			Aug 31 R1 Video LTs: #1,2,3,4	**Sept 1** Section R1 & 1.1 Linear Eqs & Apps LTs: #5,6,7,8 p. 10 #41-49 all p. 54 #9, 13, 14, 17, 21, 40, 43, 57, 61, 64, 69, 71-73
Sept 4 **LABOR DAY!** **NO SCHOOL**	**Sept 5** Section 1.1 Linear Eqs & Apps LT: #8 p. 55 #77, 78, 75, 76, 79, 67 (Do the problems in this order!)	**Sept 6** Section 1.2 Linear Inequalities LTs: #9, 11, 12 p. 62 #2, 7, 13, 16, 17, 19, 23, 25, 31, 33, 39, 41	**Sept 7** Section 1.2 Linear Inequalities LTs: #10, 11, 12, 13 p. 63 #43, 45, 47, 49, 52, 57, 65, 84, 89, 91A	**Sept 8** Section 1.3 Abs. Value Equations and Inequalities LTs: #14, 15, 16 p. 72 #2, 3, 5, 6, 9, 13, 14, 19, 21, 25, 27, 29, 31, 35, 39
Sept 11 Section 1.3 Abs. Value Equations and Inequalities LTs: #16, 17 p. 73 #43, 45, 47, 49, 55, 57, 77, 79, 80, 95	**Sept 12** Review R1, 1.1-1.3	**Sept 13** **Quiz** **R1, 1.1-1.3**		

Chapter R1, 1.1-1.3 Learning Targets

Learning Target	Example		
Section R.1 – Algebra and Real Numbers			
1. Know the definitions of the subsets of real numbers	Pg. 2 Table 1		
2. Identify numbers into the subsets of the real numbers	Pg. 10 #32		
3. Perform arithmetic using rational numbers	Pg. 9 #16		
4. Know and apply the basic properties of the real numbers	Pg. 6, Pg. 10 #18		
Section 1.1 – Linear Equations and Applications			
5. Understand basic terms: standard form, domain, solution sets, roots, identity equations, conditional and equivalent equations.	Pg. 44 and Pg. 45		
6. Solve linear equations in one variable	Pg. 54 #19		
7. Solve literal equations for a specific variable. (ie. Solve an equation with more than one variable)	Pg. 54 #43		
8. Solve application problems including number and geometry problems, distance-rate-time and mixture problems by using a linear equation	Pg. 55 #73, 76, 79		
Section 1.2– Linear Inequalities			
9. Transform inequalities to and from interval notation	Pg. 63 #11		
10. Find union and intersection of intervals	Pg. 63 #43, 45		
11. Know the inequality properties	Pg. 60 Theorem 1		
12. Solve linear inequalities including double inequalities	Pg. 63 #39		
13. Solve application problems using linear inequalities	Pg. 64 #91		
Section 1.3 – Absolute Value in Equations and Inequalities			
14. Understand abs. value geometry by relating abs. value and distance	Pg. 73 #29		
15. Solve absolute value equations	Pg. 73 #69		
16. Solve absolute value inequalities	Pg. 73 #43		
17. Use absolute value to solve radical inequalities	Pg. 73 #59		

Algebra 2/Trig Honors
Chapter 1.4-1.6 – Functions!

Mr. Vonnahme

Monday	Tuesday	Wednesday	Thursday	Friday
			Sept 14 Section 1.4 Complex Numbers LTs: #18, 19, 20, 22 p. 82: #2, 7, 16, 21, 25, 29, 33, 39, 41, 47, 51, 53, and $i^{45} = ?$ $i^{2010} = ?$	**Sept 15** Section 1.4 Complex Numbers LTs: #18, 19 p. 83: #42, 43, 59– 75 odd
Sept 18 Section 1.4 Complex Numbers LTs: #23 **p. 83**: #77, 79, 81, 83 **p. 94**: #7, 9, 11, 13, 41, 43, 47	**Sept 19** Section 1.5 Quadratic Eqs and Applications LTs: #21, 23, 24-30 p. 83: #91, 92 *(for 91 and 92 just prove the property)* p. 94: *(Solve over set of complex numbers)* #17, 21, 25, 27, 31, 87	**Sept 20** Section 1.5 Quadratic Eqs and Applications LTs: #30 p. 94: #81, 83, 84, 85, 89, 93	**Sept 21** Section 1.5 Quadratic Eqs and Applications LTs: #25-29 p. 94: #23, 45, 57, 63, 79, 80	**Sept 22** **Quiz 1.4-1.5**
Sept 25 Section 1.6 Add'l Eq. Solving LTs: #31, 32 p. 102: #2, 5, 6, 7, 8, 9, 10, 11, 12, 13, 19, 21, 25, 37, 45, 49	**Sept 26** Section 1.6 Add'l Eq. Solving LTs: #33, 34 p. 103: #35, 41, 61, 71, 73 p. A-4 *(in back of book)*: #57, 58	**Sept 27** Review 1.4-1.6 p. 106: #3, 6, 8, 9, 11, 13, 15, 21, 23, 29, 30, 36, 39, 50, 53A, 54A, 55	**Sept 28** **Quiz 1.4-1.6**	

Chapter 1.4-1.6 Learning Targets

Section 1.4 – Complex Numbers			
18. Know terms involving complex numbers	Pg. 82 #5, 6		
19. Know how to add, subtract, multiply and divide complex numbers	Pg. 82 #35, Pg. 83 #41		
20. Know how to simplify the powers of i.	Pg. 83 #87		
21. Identify the conjugate of a complex number	Pg. 82 #9		
22. Transform radicals into complex numbers	Pg. 83 #61		
23. Solve equations containing complex numbers	Pg. 83 #81		
Section 1.5 – Quadratic Equations and Applications			
24. Know the standard form of a quadratic equation	Pg. 84		
25. Solve quadratic equations by factoring and the Zero Product Property	Pg. 94 #11		
26. Solve quadratic equations by the Square Root Property	Pg. 94 #17		
27. Solve quadratic equations by the Quadratic Formula	Pg. 94 #29		
28. Find the discriminant of a quadratic equation	Pg. 94 #29		
29. Use the discriminant to describe the solutions of the quadratic equation without solving	Pg. 94 #31		
30. Solve application problems using quadratic equations	Pg. 95 #83		
Section 1.6 – Additional Equation-Solving Techniques			
31. Solve equations involving radicals	Pg. 103 #61		
32. Solve absolute value equations by squaring both sides	Pg. 103 #23		
33. Solve a higher degree equation by using substitution to transform equation into a quadratic equation	Pg. 103 #53		
34. Solve application problems using these additional techniques	Pg. 103 #75		

Algebra 2/Trig Honors
Chapter 2 & 10.1 & Intersections!

Mr. Vonnahme

Monday	Tuesday	Wednesday	Thursday	Friday
				Sept. 29 Section 2.1 Cartesian Coordinates LTs: #1, 2, 3 HW: Worksheet and Read p.113-117 in your book
Oct. 2 Section 2.1 Cartesian Coordinates LTs: #4, 5 HW: p. 121 #67, 68, 69, 72, 73, 76, 79, 84, 86, 87	**Oct. 3** Section 2.3 Equations of a Line LTs: #6, 7, 8, 9, 10, 11 HW: p. 145 #26, 28, 30, 32, 36, 37, 56, 58,64, 65, 73, 84 & 'skim' Section 2.4 in your book	**Oct. 4** Section 2.4 Linear Equations and Models LTs: #12, 13, 14 HW: p. 155 #5, 7, 9, 11, 13, 15, 18	**Oct. 5** Section 2.4 Linear Equations and Models LTs: #12, 13, 14 HW: p. 155 #6, 8, 14, 19, 22, 23	**Oct. 6** **Quiz 2.1-2.4** HW: TBA
Oct. 9 **No School**	**Oct. 10** Section 10.1 Systems of Linear Eqs LTs: #15, 16, 17, 18 HW: p. 640 #6, 16, 18, 23, 25, 27, 29, 31, 42, 43, 44	**Oct. 11** **PSAT Testing Day**	**Oct. 12** Section 10.1 Systems of Linear Eqs LT: #19 HW: p. 641 #46, 47, 53, 55, 57, 63, 66, 67	**Oct. 13** Intersections of Graphs and Calculator Work HW: Worksheet #1
Oct. 16 Intersections of Graphs and Calculator Work HW: Worksheet #2	**Oct. 17** Intersections of Graphs and Calculator Work HW: Worksheet #3	**Oct. 18** Review 2.1, 2.3, 2.4, 10.1, and Intersections HW: TBA	**Oct. 19** **Test 2.1, 2.3, 2.4, 10.1, & Intersections**	

Chapter 2 and 10.1 Learning Targets

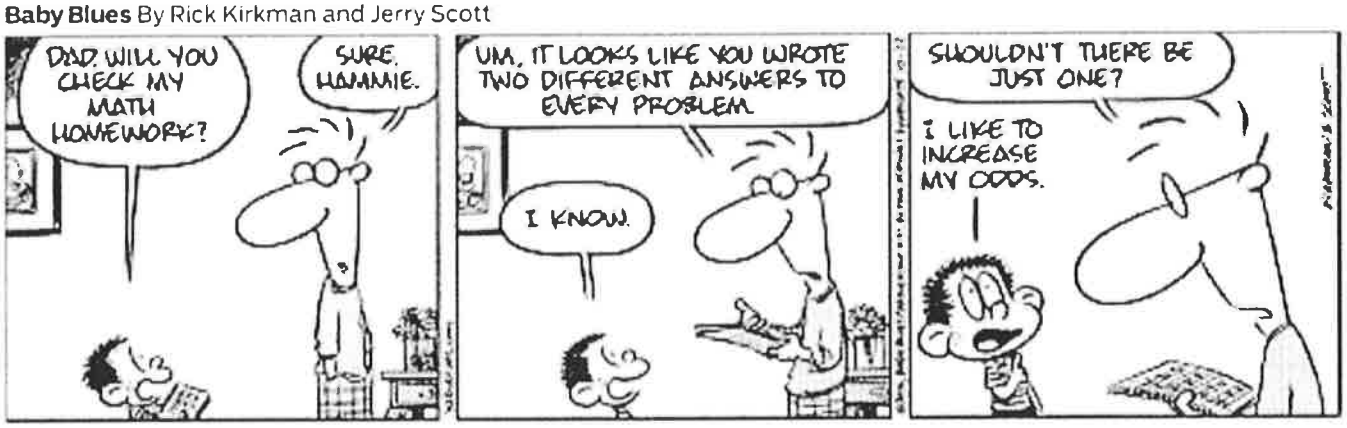
Learning Target	Example		
Section 2.1 – Cartesian Coordinate System			
1. Know the parts of the Cartesian Coordinate System (axis, quadrants, coordinates, origin, abscissa, and ordinate)	Book page 110		
2. Know the fundamental theorem of analytic geometry	Book page 110		
3. Reflect a graph over the x-axis, y-axis, or origin	Pg. 119 #19-21		
4. Determine the symmetry of a graph	Pg. 120 #41		
5. Use the symmetry of a graph to extend the graph	Pg. 120 #35		
Section 2.3 – Equations of a Line			
6. Graph a line given a variety of information (intercepts, slope and a point on the line, or equation of the line)	Pg. 145 #19, 23		
7. Write an equation of a line in slope-intercept form, standard form, and point-slope form	Pg. 145 #43 in all 3 forms		
8. Write an equation of a line parallel or perpendicular to a given line	Pg. 145 #65 in all 3 forms		
9. Know the slope of horizontal and vertical lines	Pg. 145 #29		
10. Understand x and y intercepts of a line	Pg. 145 #57		
11. Solve application problems by writing and solving an linear equation	Pg. 145 #85		
Section 2.4 – Linear Equations and Models			
12. Write a linear model	Pg. 155 #15a		
13. Interpret the slope of a linear model	Pg. 155 #15b		
14. Given a value for one variable, use a linear model to find the value of the other variable	Pg. 155 #15c		
Section 10.1 – Systems of Linear Equations			
15. Solve a system of linear equations in 2 variables by graphing, substitution, and elimination	Pg. 640 #7, 19, 21		
16. Understand the difference between a consistent and an inconsistent system of linear equations	Pg. 629		
17. Understand the difference between an independent and dependent system of linear equations	Pg. 629		
18. Solve a system of equations in 3 variables using elimination	Pg. 640 #41		
19. Use systems of equations to solve real world application problems	Pg. 640 #57		

Algebra 2/Trig Honors
Chapter 3 Part II

Mr. Vonnahme

Monday	Tuesday	Wednesday	Thursday	Friday
		Oct. 25 Section 3.4 Quadratics LT: #1 HW: p.217 #2, 4, 5, 8, 12, 13-24 all	**Oct. 26** Section 3.4 Quadratics LTs: #2 HW: p. 218 #25, 26, 27, 28, 29, 30, 31, 32, 33, 34	**Oct. 27** No Class Parent/Teacher Conferences
Oct. 30 Section 3.4 Quadratics LTs: #3, 4 HW: p. 218 #36, 42, 44, 46, 62, 64, 66, 67	**Oct. 31** Section 3.4 Quadratics LTs: #5 HW: TBA	**Nov. 1** Quadratic Applications LT: #5, 6 HW: p. 219 #69, 71, 73, 84, 87, 89, 91, 93, 95, 96	**Nov. 2** **Quiz 3. 4**	**Nov. 3** Section 3.5 Operations & Compositions LTs: #7, 8 HW: p. 232 #3, 5, 11, 12, 13, 14, 15, 16, 17, 18, 27, 28, 54, 57
Nov. 6 Section 3.5 Operations & Compositions LTs: #7, 8 HW: p. 233 #45, 49, 51, 60, 65, 68	**Nov. 7** Section 3.6 Inverse Functions LTs: #9, 10, 11, 12 HW: p. 248 #1-6 all, 31, 32, 34, 36, 37, 56, 58	**Nov. 8** Section 3.6 Inverse Functions LTs: #9, 10, 11, 12 HW: p. 249 #47, 51, 52, 57, 61, 65, 70	**Nov. 9** Review HW: p. 252 #5, 6, 8, 31-37, 41, 61, 62, 66, 67, 70, 92, 97	**Nov. 10** **Test 3.4-3.6**

Baby Blues By Rick Kirkman and Jerry Scott



Chapter 3.4-3.6 Learning Targets

Learning Target	Example		
Section 3.4 – Quadratics			
1. Recognizing quadratics in vertex form	Pg. 217 #11		
2. Writing a quadratic in vertex form	Pg. 218 #29		
3. Verbally describe the transformations being performed on $y = x^2$	Pg. 200 #41		
4. Use the formula $x = \frac{-b}{2a}$ to find the vertex of the parabola	Pg. 218 #39		
5. Given different conditions, find the equation of the parabola	Pg. 219 #71, 73		
6. Solve application problems using quadratics	Pg. 221 #87		
Section 3.5 – Operations on Functions; compositions			
7. Find the composition of two functions	Pg. 233 #49, 53		
8. Find the domain of $f \circ g$	Pg. 233 #49, 53		
Section 3.6 – Inverse Functions			
9. Determine if two functions are inverses by using compositions	Pg. 248 #33, 35		
10. Find the domain and range of a function and its inverse	Pg. 249 #53		
11. Recognize graphs of inverse functions are symmetric about y=x	Pg. 249 #43		
12. Find the inverse of a function	Pg. 249 #75, 77		

Algebra 2/Trig Honors
Chapter R3, 4.1, 4.3 - Polynomials

Mr. Vonnahme

Monday	Tuesday	Wednesday	Thursday	Friday
Nov. 13 Section R3 Polynomial Operations LTs: #1,2,3 HW: p.29 #1, 2, 3, 4, 11, 12, 14, 15, 16, 20, 22, 36, 39, 41	**Nov. 14** Section R3 Factoring LTs: #4,5 HW: p.29 #23, 25, 27, 43, 48, 49, 53, 54, 55, 58, 60, 63, 66, 93, 95	**Nov. 15** Section 4.1 Polynomial Division LTs: #6,7 HW: p. 274 #5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 21, 24, 26, 30, 56 and 59(use long division), 89, 90 AND p.29 #28, 35, 37, 44, 50, 56, 61	**Nov. 16** Section 4.1 Synthetic Division LTs: #8,9,10 HW: p. 276 #33, 38, 39, 40, 44, 46, 47, 51, 52, 53, 57, 60, 61, 76a AND p.29 #62, 67, 70, 72, 80, 86, 91, 97	**Nov. 17** **Quiz** **R3 & 4.1** HW: TBA
Nov. 20 Section 4.3 Complex and Rational Zeros LTs: #11,12 HW: p. 296 #6, 8, 10, 12 (zeros & degree only), 41, 43, 45, 47, 49, 50, 54, 82	**Nov. 21** Section 4.3 Complex and Rational Zeros LTs: #11,12 HW: p. 297 #62, 65, 75, 76, 77, 79, 81	**Nov. 22** **No School**	**Nov. 23** **Happy Turkey Day!** **Gobble, Gobble!**	**Nov. 24** 
Nov. 27 Section 4.3 Complex and Rational Zeros LTs: #11,12,13 HW: p. 297 #27, 28, 35, 36, 80, 83, 91	**Nov. 28** R3, 4.1, 4.3 Review HW: p. 323 #2, 3, 4, 5, 9, 10, 11, 22, 24, 25, 28, 31A, 42	**Nov. 29** **Quiz** **R3, 4.1, 4.3**		

Chapter R3, 4.1, 4.3 Learning Targets

Learning Target	Example		
Section R3 – Polynomials: Basic Operations and Factoring			
1. Determine if an expression is a polynomial	Pg 29 #11, 12		
2. Add, subtract, and multiply polynomials (using the distributive property more than once)	Pg 29 #15, 16		
3. Simplify an expression by combining like terms	Pg 30 #36		
4. Factor a polynomial including GCF, perfect squares, differences of squares, sum and differences of cubes	Pg 30 #58, 61		
5. Simplify calculus related topics	Pg 30 #66		
Section 4.1 – Polynomial Functions and Division			
6. List zeros of a polynomial from a graph and an equation	Pg 275 #14, 22		
7. Divide polynomials using long division	Pg 275 #29		
8. Divide polynomials using synthetic division	Pg 275 #38		
9. Use the remainder theorem to evaluate a function	Pg 276 #49		
10 Determine whether the second polynomial is a factor of the first polynomial without dividing or using synthetic division.	Pg 276 #46		
Section 4.3 – Complex and Rational Zeros of Polynomials			
11. Determine the number of zeros of a polynomial	Page 296 #8		
12. Find all roots (real and imaginary) of a polynomial	Pg 297 #45		
13. Write a polynomial given zeros, degree, leading coefficient, and/or P(a) = b for rational numbers a and b.	Pg 297 #64,65		

Algebra 2/Trig Honors
Chapter R4, 4.4 – Rationals

Mr. Vonnahme

Monday	Tuesday	Wednesday	Thursday	Friday
			Nov. 30 Section R4 Rational Expressions LTs: #1, 2, 4 HW: p 37 #6, 7, 10, 16, 20, 23, 28, 32, 33, 43, 48, 55	**Dec. 1** Final Exam Review
Dec. 4 Section R4 Rational Expressions LTs: #1-4 HW: p. 38 #24, 27, 31, 36, 38, 44, 45, 51, 52, 58, 60	**Dec. 5** Section 4.4 Rational Functions and Inequalities LTs: #5, 6, 7, 9 HW: p. 312 #7, 8, 9, 10, 20, 22, 24, 26, 28, 30, 41, 42, 45, 46, 53, 54	**Dec. 6** Section 4.4 Rational Functions and Inequalities LTs: #11, 12, 13 HW: Worksheet	**Dec. 7** Section 4.4 Rational Functions and Inequalities LTs: #5-13 HW: Worksheet AND p. 313 #11, 12, 13, 14, 89, 90, 91	**Dec. 8** Section 4.4 Rational Functions and Inequalities HW: p. 313 #15, 19, 34, 37, 38, 49
Dec. 11 Review R4, 4.4	**Dec. 12** Review R4, 4.4	**Dec. 13** **Quiz R4, 4.4** HW: Yes, TBA	**Dec. 14** Final Exam Review	**Dec. 15** Final Exam Review
Dec. 18 Final Exam Review	**Dec. 19** Final Exams	**Dec. 20** **Final Exam: Per 3 8am-9:30am**	**Dec. 21** Final Exams	

Chapter R4, 4.4 Learning Targets

Learning Target	Example		
Section R4 – Rational Expressions: Basic Operations			
1. Reduce a rational expression to lowest terms	Pg 37 #6, 10		
2. Add, subtract, multiply and divide rational expressions	Pg 38 #44, 45, 51		
3. Simplify compound fractions	Pg 38 #58		
4. Simplify calculus related topics	Pg 38 #55		
Section 4.4 – Rational Functions and Inequalities			
5. Find the domain of a rational function	Pg 313 #21		
6. Find the x and y intercepts of a rational function	Pg 313 #19		
7. Find the horizontal and vertical asymptotes of a rational function	Pg 314 #46		
8. Identify removable discontinuities or holes (points of discontinuity) of a rational function	Pg 314 #37		
9. Use information above to graph a rational function	Pg 314 #45,48		
10. Write an example of a rational function given a variety of information above.	Pg 314 #53		
11. Solve rational algebraic equations	Worksheet		
12. Identify extraneous solutions	Worksheet		
13. Describe end behavior using limit notation	Worksheet		

Algebra 2/Trig Honors
Chapter 6.1 – 6.4 Trigonometry

Mr. Vonnahme

Monday	Tuesday	Wednesday	Thursday	Friday
	Jan. 9 Section 6.2 Right Triangle Trigonometry HW: p. 402 #1, 5, 6, 7, 8, 9, 10, 11, 12, 25	**Jan. 10** Section 6.2 Right Triangle Trigonometry HW: p. 402 #26, 30, 31, 35, 43, 48, 63, 64, 66, 67, 73A	**Jan. 11** Section 6.1 Angle Measures HW: p. 393 #1, 2, 8, 9, 12, 31, 32, 33, 34, 35, 38, 40, 42, 57, 58, 59, 60, 65, 66, 71, 72, 73, 74	**Jan. 12** Section 6.3 Rotation Angles & Terminal Points HW: Worksheet
Jan. 15 **Martin Luther King Jr. Day** **No School**	**Jan. 16** Section 6.3 Reference Angles HW: Worksheet	**Jan. 17** Section 6.4 Unit Circle HW: p.426 #35, 36, 47, 48, 49, 50 and Worksheet	**Jan. 18** Review 6.1-6.4 HW: Worksheet	**Jan. 19** **Quiz 6.1-6.4**
Jan. 22 Section 6.1 Radian Measures HW: p. 393 #4, 18, 22, 24, 26, 28, 30, 61, 62, 63, 64, 67, 68, 75, 77	**Jan. 23** Section 6.3 Exact Radian Values HW: p.413 #9 – 29 odd, 20 – 30 even, 31, 32, 33, 79, 80, 81, 82, 83 – 88 all	**Jan. 24** Section 6.4 Graphing Sin, Cos, Csc, Sec HW: Worksheet	**Jan. 25** Section 6.4 Graphing Tan, Cot HW: Worksheet – Review #1	**Jan. 26** Section 6.4 Pythagorean Id. HW: p. 426 #41-46, 53, 54, 55, 56 and Worksheet – Rev. #2
Jan. 29 Review 6.1-6.4 HW: p. 457 3-6, 15-19 odd, 22-30 even, 63	**Jan. 30** **Test 6.1-6.4**			

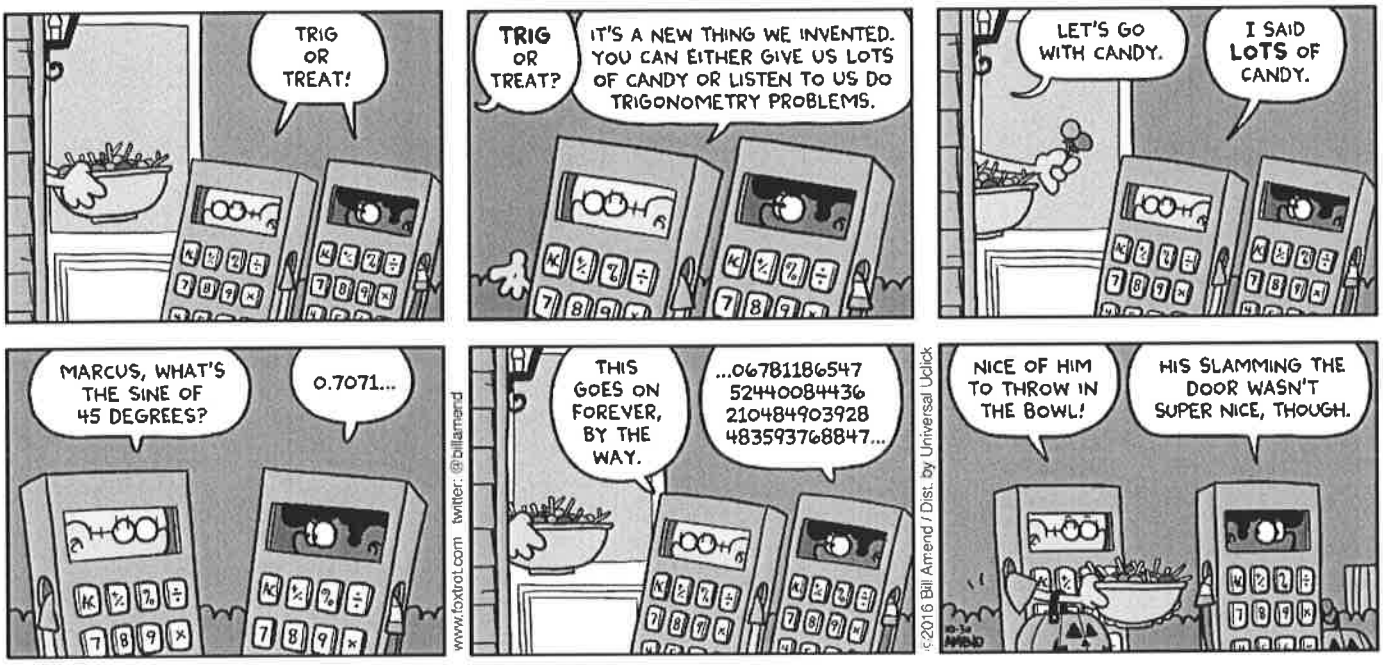
Algebra 2/Trig Honors
Chapter 6.5/7.5 – Trig. Equations & Graphs

Mr. Vonnahme

Monday	Tuesday	Wednesday	Thursday	Friday
		Jan. 31 Section 7.5 Solving Trig Eqs HW: p. 501 #5, 6, 9, 10, 13, 14, 17, 18, 21, 25, 29, 31 LT: #6, 7	**Feb. 1** Section 7.5 Solving Trig Eqs HW: p. 501 #11, 15, 20, 23, 24, 28, 34, 35, 41*, 59, 60 *use θ instead of 2θ LT: #6, 7	**Feb. 2** Section 6.5 Trigonometric Transformations HW: Worksheet LT: #1, 2
Feb. 5 Section 6.5 Trigonometric Transformations HW: Worksheet & p. 437 #5, 7, 15, 16, 34, 40 LT: #1, 2	**Feb. 6** Section 6.5 Trigonometric Transformations HW: Worksheet LT: #3	**Feb. 7** Section 6.5 Writing Trig Functions HW: p. 437 #23, 24, 25, 26, 27, 28, 29, 30, 65, 66, 67, 68 LT: #4	**Feb. 8** Section 6.5 Writing Trig Functions HW: Worksheet LT: #4	**Feb. 9** **Quiz** **6.5 & 7.5**
Feb. 12 Section 6.5 Trig Applications HW: Worksheet LT: #5	**Feb. 13** Section 6.5 Trig Applications HW: Worksheet LT: #5	**Feb. 14** Review HW: p. 457 #8, 9, 10, 11, 13, 23, 25, 27, 29, 31, 33, 35, 45, 46, 49, 50, 51, 54, 55, 63, 64, 71	**Feb. 15** **Test** **6.5/7.5 and Applications**	

Chapter 6.5 and 7.5 Learning Targets

Learning Target	Example(s)		
Section 6.5 – Trigonometric Transformations			
1. Graph transformations of sinusoidal trig functions.	p. 437 #41, 43		
2. Identify properties of trig functions from an equation, including amplitude, period, and vertical/horizontal shifts.	p. 437 #15		
3. Graph transformations of tangent and cotangent functions.	p. 438 #37		
4. Writing equations of trigonometric functions from graphs.	p. 437 #29		
5. Modeling applications using sinusoidal trig functions.	WS on 2/12, 2/13		
Section 7.5 – Solving Trig. Equations			
6. Solve trigonometric equations using properties of the Unit Circle and algebra techniques.	p. 501 #24, 25		
7. Solve trigonometric equations using a calculator.	p. 501 #31, 35		



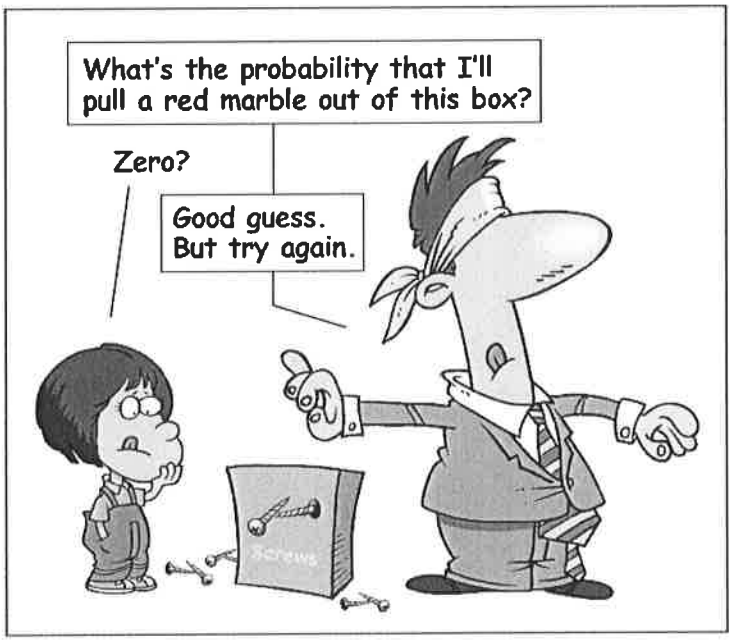
Algebra 2/Trig Honors
Chapter 5 – Exponential and Log Functions

Mr. Vonnahme

Monday	Tuesday	Wednesday	Thursday	Friday
	Feb. 20 Section R2 Exponents and Radicals HW: WS #1	**Feb. 21** Section R2 Exponents and Radicals HW: WS #2	**Feb. 22** Section R2 Exponents and Radicals HW: WS #3	**Feb. 23** Section 5.1 Exponential Fns HW: p.337 #3,4,7,17-22, 33, 35, 37, 45, 47, 49, 53, 54, 55*, 57* *use graph paper
Feb. 26 **Quiz R2 & 5.1**	**Feb. 27** Section 5.3 Logarithmic Fns HW: p.363 #19, 20, 21, 22, 23, 26, 32, 33, 34, 38, 55, 56, 57, 58, 59-71 odd	**Feb. 28** Section 5.3 Logarithmic Fns HW: p.363 #29, 30, 31, 37, 62, 64, 66, 68, 70, 99, 102	**Mar. 1** Section 5.3 Logarithmic Fns HW: p.363 #79, 81, 84, 86, 87, 88, 89, 90 & Worksheet	**Mar. 2** **NO SCHOOL** National Read Across America Day!
Mar. 5 Section 5.5 Exponential/Log Eqs HW: p.376 #3, 7, 8, 9, 10, 15, 16, 27, 28	**Mar. 6** Section 5.5 Exponential/Log Eqs HW: p.377 #17-26, 35, 36, 37, 38, 41, 42	**Mar. 7** Review 5.3/5.5	**Mar. 8** **Quiz 5.3 & 5.5**	**Mar. 9** Section 5.4 Logarithmic Apps HW: p. 370 #1, 5, 6, 7, 8, 13, 19, 20, 21, 24
Mar. 12 Section 5.1 Compound Interest HW: p.339 #87, 88, 91, 92, 93, 94, 97	**Mar. 13** Section 5.2 Exp. Growth/Decay HW: p.351 #5, 6, 9, 10, 15, 17, 19 & WS	**3.14(159265358..)** ~~PI Day!!~~ Section 5.1 Continuous Comp HW: p.339 #89, 90, 95, 96 & WS	**Mar. 15** **Quiz 5.4/5.1/5.2**	**Mar. 16** Ch. 5 Review HW: p.380 #7, 10, 11, 12, 22, 23, 24, 27, 29, 31, 33, 35, 37, 41, 46, 47, 54, 70, 73, 76
Mar. 19 Ch. 5 Review	**Mar. 20** **Ch. 5 Test**	**Mar. 21** 3rd Quarter Review	**Mar. 22** **3rd Quarter Cumulative Assessment**	**Mar. 23** Let's Make a Deal!

Algebra 2/Trig Honors
Probability
Mr. Vonnahme

Monday	Tuesday	Wednesday	Thursday	Friday
	April 3 Day 1 Know some things about probability? Probably! HW: WS #1	**April 4** Day 2 Sample Size Prob Dist. HW: WS #2	**April 5** Day 3 Properties of Probability - Mult HW: WS #3	**April 6** Day 4 Properties of Probability - Add HW: WS #4
April 9 Day 5 Properties of Probability - Add HW: Review	**April 10** Early Dismissal	**April 11** **Probability Assessment** HW: TBA	**April 12** Day 7 Two Way Tables Conditional Prob. HW: WS #7	**April 13** Day 8 Tree Diagrams HW: WS #8
April 16 Late Start Day 9 Mix It Up! HW: WS #9	**April 17** Day 10 Review Activity HW: WS #10	**April 18** **Probability Assessment**		

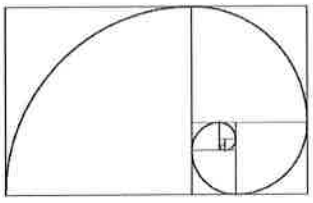


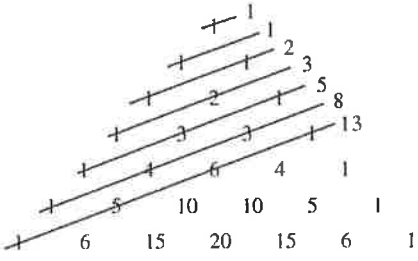
Learning Targets	
Probability	
1. Calculate the probability of an event using area	
2. Calculate probability through counting	
3. Describe a sample space	
4. Draw the probability distribution of an event	
5. Be able to distinguish between independent and dependent events	
6. Understand the complement of an event: $P(\text{not } A) = 1 - P(A)$	
7. Compute the probability of event A and event B occurring by using $P(A \cap B) = P(A) \cdot P(B)$, provided A and B are independent events	
8. Be able to distinguish between mutually exclusive and inclusive events	
9. Compute the probability of event A or event B occurring by using $P(A \cup B) = P(A) + P(B) - P(A \cap B)$	
10. Compute conditional probability using tables	
11. Use the conditional probability equation $P(A \mid B) = \frac{P(A \cap B)}{P(B)}$	
12. Draw tree diagrams	
13. Apply complement, add, multiply, and conditional probability techniques to answer higher level questions	

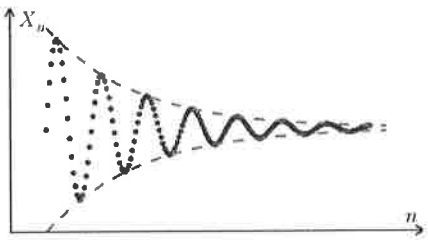
Algebra 2/Trig Honors
11.1 & 11.3 – Sequences and Series

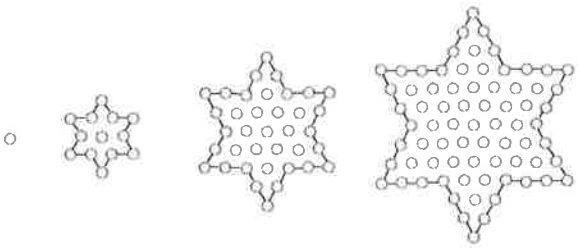
Mr. Vonnahme

Monday	Tuesday	Wednesday	Thursday	Friday
			April 19 Section 11.1 Intro to Sequences and Series HW: p. 711 #8, 10, 12, 15, 23, 28, 30, 32, 38, 44, 45, 47	**April 20** Section 11.1 Intro to Sequences and Series HW: p. 711 #1, 14, 19, 21, 22, 27, 39, 60, 64, 65, 66, 69, 70
April 23 Section 11.3 Arithmetic & Geometric Sequences HW: p. 730 #1, 2, 8, 9, 10, 15-20, 29-32	**April 24** Section 11.3 Arithmetic & Geometric Sequences HW: TBA	**April 25** Section 11.3 Arithmetic Series HW: p. 730 #14, 24, 25, 26, 33, 34, 39, 44, 47	**April 26** Section 11.3 Geometric Series Finite and Infinite HW: p. 730 #5, 6, 11, 12, 28, 43, 45, 46, 51, 52, 54	**April 27** Section 11.3 Applications HW: p. 730 #75, 76, 77, 83, 84, 94 & Worksheet
April 27 Review Day HW: TBA	**May 1** **Sequences and Series Assessment**			





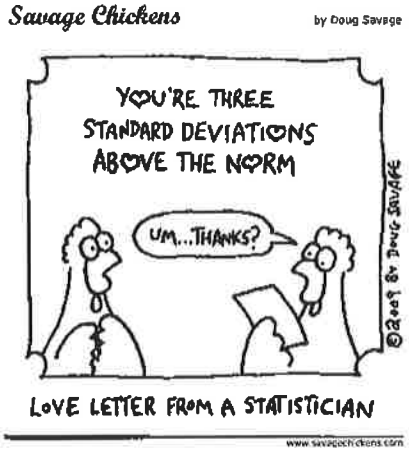




Algebra 2/Trig Honors
Statistics
Mr. Vonnahme

Monday	Tuesday	Wednesday	Thursday	Friday
		May 2 Data Distribution Measures of Spread HW: WS #1	**May 3** Std. Deviation Normal Distribution HW: WS #2	**May 4** Z-Scores HW: WS #3
May 7 Stats Activity HW: TBA	**May 8** **Stats Assessment Days 1-4** HW: TBA	**May 9** Parameter vs. Statistic Sampling TR Activity HW: WS #6	**May 10** Sampling Activity HW: TBA	**May 11** Sampling Activity HW: TBA
May 14 Summary Activity HW: TBA	**May 15** Margin of Error HW: WS #10	**May 16** Simulation Day and Activity HW: WS #11	**May 17** Hypothesis Testing HW: WS #12	**May 18** Hypothesis Testing – Activity HW: WS #13
May 21 Stats Activity HW: TBA	**May 22** Stats Review HW: TBA	**May 23** **Stats Culminating Assessment**	**May 24** Final Exam Review	**May 25** Final Exam Review
May 28 **No School**	**May 29** Final Exam Review			

Final Exam: Thursday, May 31st, 8am-9:30am



Ms. Orloff
Room 102

HONORS PRECALCULUS
COURSE INFORMATION

COURSE DESCRIPTION

Precalculus reviews some of the material studied in Algebra 2-Trigonometry. The review areas of study include: real and complex numbers and functions (polynomial, exponential, logarithmic and trigonometric). The study of these topics is expanded, however, and the treatment is more formal. Additional areas of study are conics, notions of limits, continuity, circular functions, mathmatics of finance, parametric equations, and polar coordinates. It is recommended for students who are preparing to enter a technical or semi-technical profession, or planning to study Calculus.

This honors course provides a more in-depth study of the topics covered in Pre-Calculus with greater emphasis of both theory and applications. Additional topics include curve fitting and physics applications. A graphing calculator with matrix capabilities is required in this course.

Prerequisite: Algebra 2-Trigonometry - H and departmental approval. Next course in sequence: Upon satisfactory completion of Pre-Calculus - H, the students is prepared for a serious course in Calculus. Open to grades 9, 10, 11 & 12.

REQUIRED MATERIALS (to be brought to class daily)

- Textbook (*Precalculus: Graphical, Numerical, Algebraic* by Demana, Waits, Foley, Kennedy)
- Notebook or binder
- Pencils and/or pens
- Graphing Calculator (you cannot use any calculator with a CAS system on my assessments)

TEACHER ACCESS

If you wish to contact me, there are several methods at your disposal:

In person – During most times of a typical school day, you will find me either in room 102 or in the math office (room 105).

Getting help or information
Math can be a difficult subject at times, so you are strongly encouraged to get extra help AS SOON AS you feel you are falling behind. Don't wait until the day before a test or quiz to get help. I can be found in room 102 before and after school. Please feel free to come to me if you have any questions or concerns and we'll work together to get you back on track!!

Hours for extra help:
7:20-7:55
3:00-3:20
* There may be days I am not available due to professional meetings. You can always check with me first.

E-mail – Email is probably the best/fastest way to contact me in most cases; I check it pretty frequently while at school and occasionally from home as well. My email address is worloff@hinsdale86.org

Phone – You can leave voice mail for me by dialing (630) 570-8440. I try to check my voicemail every day.

HOMEWORK (weighted 10%)

Homework is an extremely important part of this course. I expect all students to make an honest attempt to complete every assigned problem. Assignments will frequently be checked in class. Failure to try all problems or to show sufficient work may result in reduced or zero credit for that assignment. A list of answers alone is rarely sufficient to receive full credit. Do not assume that doing half of the problems will earn half of the credit available for that assignment. I **do not** except on late work.

Online homework- We will be using MyLab Math. It is an online resource through Pearson. You will be required to complete an online graded assignment for every chapter review. The online assignment will be out of 10 points and you will be given 2-3 attempts per problem and will be do at 8am the morning of the test.

I encourage students to work together on homework. That is, I encourage you to discuss strategies for solving homework problems with one another; I do expect that the actual work will be done individually by each student. Failure to observe this distinction may cost you points on homework, and will almost surely leave you unprepared for quizzes and tests.

QUIZZES & TESTS (90%)

Tests will always be announced in advance. Quizzes may be announced or unannounced, but in most cases will also be announced. On tests and other assessments, you will be expected to demonstrate knowledge of and fluency with the appropriate terminology as well as the ability to apply the mathematical techniques covered.

GRADES

During each quarter, you will receive numerical grades based on a "90-80-70-60 scale" for the quizzes, tests, and other assessments; these grades will sometimes be scaled ("curved") to compensate for difficulty. You will also receive a grade for your homework. The sum of these scores will form the basis of your quarter grade. Your semester grade will be based on the following items:

1st quarter: 40% 2nd Quarter: 40% Final Exam: 20%

ABSENCES

Attendance is vital. It will be very difficult to do well in this course if you are frequently absent or late. If you are absent, you will need to find out what work you have to make up and to catch up with the material you have missed. I will try to assist you in this endeavor, but it ultimately your responsibility. Missed work that is not made up in a timely fashion will be counted as a zero, and therefore will have a detrimental effect on your grade in the course.

1. If you have advance knowledge of an absence for a quiz or test day, make arrangements with me before leaving; in some cases, it may be to your advantage to take the quiz/test early rather than to postpone it.
2. If you are absent (excused) on a quiz or test day, you need to see me immediately upon your return in order to arrange to make it up (if you only missed one day, you are expected to be prepared for it upon your return).
3. If you are absent the day before a quiz or test, you will still be expected to take the quiz/test at the normal time (extended excused absences are an exception, see me as soon as you return to work out a schedule).

Precalculus Honors
Chapter 8

Monday	Tuesday	Wednesday	Thursday	Friday
8/13	8/14	8/15 Welcome Start 8.1 Homework is to sign up for online book and remind MyMath Lab Orientation assignment due 8/20	8/16 Pre test 35 minutes 8.1 page 578 # 1, 3, 5, 7-11, 18, 24, 33, 34, 49, 50	8/17 8.2 page 590 # 1, 3, 4, 6-10, 16, 21, 24, 29, 33, 37, 39, 67,68
8/20 Late start 8.3 page 600 #4, 6, 7-11, 15-39 every other odd, 47, 49,51	8/21 **Quiz 8.1 and 8.2** Chapter Review page 630 #1-11 odd, 13-20, 21-27 odd, 37-47 odd	8/22 Practice worksheets	8/23 Review **Online review assignment is due tomorrow at 8am**	8/24 **Test 8.1 – 8.3**

Precalculus Honors Chapter 8 Objectives

1) **Be able to graph parabolas, ellipses and hyperbolas.**
2) **Be able to write an equation of a circle, parabola, ellipse and hyperbola from given information.**
3) **Be able to write an equation in standard form by completing the square.**
4) **Be able to find the vertices, foci, focal width, directrix and asymptotes.**

Precalculus Honors Matching 8.1

PARABOLAS

1) $(y-1)^2 = 4(x-3)$
2) $(y+2)^2 = -4(x-3)$
3) $(x+2)^2 = 16(y-3)$
4) $(x+2)^2 = -16(y+3)$
5) $(x-2)^2 = -8(y+3)$
6) $(x-2)^2 = 8(y-3)$

A) directrix y=1
B) directrix y=-1
C) directrix x=2
D) directrix x=4

Precalculus Honors
Chapter 9.3 and 9.4

Monday	Tuesday	Wednesday	Thursday	Friday
8/27 (LS) 9.3 page 656 #2-10 even, 21 - 27 odd, 29 - 32, 43 - 45, 47, 48 1) Be able to determine if a sequence is infinite or finite. 2) Be able to determine if a sequence is arithmetic or geometric. 3) Be able to define arithmetic and geometric sequences explicitly and recursively.	8/28 9.3 page 656#11-20, 37 - 40, 46 4) Be able to determine if an infinite sequence converges or diverges. 5) Be able to solve application problems with arithmetic and geometric sequences.	8/29 9.4 page 664 #1 - 21 odd, 25 - 30 (due Friday) **Consider: starting online review and completing the 9.3 problems to prepare for the quiz** 6) Be able to write arithmetic and geometric sequences in summation notation. 7) Be able to find finite sums of arithmetic and geometric sequences. 8) Be able to determine if infinite arithmetic and geometric sums converge or diverge.	8/30 Quiz 9.3	8/31 9.4 page 664 # 2 - 20 every other even, 23, 24, 41 - 46 9) Be able to determine partial sums.
9/3 Labor Day No School	9/4 Practice worksheets **Online review Due tomorrow at 8AM**	9/5 Test 9.3 and 9.4		

$$a_{n-1}+d$$

$$\frac{n}{2}(2a_1+d(n-1))$$

$$a_1r^{n-1}$$

$$a_1+d(n-1)$$

$$a_{n-1}r$$

$$\frac{n(a_1+a_n)}{2}$$

$$a_1\left(\frac{1-r^n}{1-r}\right)$$

$$\frac{a_1}{1-r}$$

Precalculus Honors Chapter P

Monday	Tuesday	Wednesday	Thursday	Friday
9/3 Labor Day No School	9/4	9/5 1) Be able to describe an inequality in interval notation. 2) Be able to use the midpoint and distance formulas. 3) Be able to determine which of the algebraic properties of real numbers applies.	9/6 **P1 page 9 #5-12, 17-22, 41, 45, 49-52, 67-69** **P2 page 17 #8-10, 22, 28, 32, 37, 43** 4) Be able to simplify absolute value expressions. 5) Be able to simplify expressions with exponents. 6) Be able to describe a circle in standard form.	9/7 **P2 page 17 #46, 49-52, 64e, 67-69** **P3 page 25 #20, 23, 27, 34, 45, 50, 54-58,66,71** 7) Be able to solve literal equations. 8) Be able to solve inequalities. 9) Be able to use sign patterns to solve inequalities.
9/10 (LS) **P4 page 36 #7, 9, 13, 15, 24, 30,43,46,55-58** 10) Be able to write an equation of a line. 11) Be able to find the slope of perpendicular and parallel lines. 12) Be able to solve linear applications.	9/11 **P5 page 45 #3, 16, 24, 32, 43, 45, 50, 54(graph on calc.), 57, 60, 69** 13) Be able to solve quadratic equations by factoring, graphically and by using the quadratic formula.	9/12 **P6 page 52 #4, 7, 12, 16, 20, 23, 24, 26, 32, 39, 48, 57** 14) Simplify expressions with complex numbers. 15) Perform operations with complex numbers.	9/13 **P7 page 58 #5, 7, 28, 31, 33, 42-46** 16) Solve absolute value inequalities using sign patterns and graphically. 17)Be able to solve projectile motion problems. 18) Be able to solve box application problems.	9/14 **Quiz P1-P3** Chapter Review (Optional) Page 60 #22, 23, 34, 38, 43, 46, 50, 62-64, 80, 81 ***Online assignment due 9/18 at 8am (3 tries per problem)
9/17 (LS) Study ***Online assignment due 9/18 at 8am (3 tries per problem)	~~9/18~~ no calc **Chapter P Test** maybe two day test	9/19 calc OK		

Precalculus Honors Chapter 1
Ms. Orloff

Monday	Tuesday	Wednesday	Thursday	Friday
			9/20 Section 1.1 p.74 #11-17, 22,29, 30, 32,36, 37, 44, 45, 51, 61	9/21 assembly Section 1.1 and 1.2 p.77 #20,25-27, 31,34, 38,41,46,54,57-60 p.94 #1-4, 7,8, 11, 13, 15, 16
9/24 (LS) Section 1.2 p.95 20, 22, 23,27,28,31,33, 36-39,	9/25 Section 1.2 and 1.3 p.95 49, 50, 52, 54, 55, 58, 60-62, 67, 76, 80 p.106 #1-12all	9/26 Section 1.3 p.106 #13-29 odd, 36,38,39,48,54,68,69	9/27 Recap Day Review 1.1-1.3	9/28 **Quiz 1.1-1.2** Section 1.3 p.106 #14-28 even, 50,57
10/1 (LS) Section 1.4 p.116 2,3,6,9,12,16,17,23, 25,28, 32,55 **Read section 1.5**	10/2 Section 1.5 p.126 #15,17,19,23,24,27, 29,32,34,46,47	10/3 **Quiz 1.3-1.4** **Start online homework** * I will be out for a conference this day, therefore I will not be available for extra help in the morning,	10/4 Section 1.6 p.136-138 #7,11,13-21, 24-28,30, 34-39, 43-53odd,56,57,67	10/3 Section 1.7 p.148 #16,19-23,25,27-29, 32,43-46,49
10/8 NO SCHOOL Columbus Day	10/9 **Online HW Due (10/10 at 8am- 2 tries per problem)** Review(Optional) p.152 #1-10,14,18, 20,22,23,30,34, 44,48-52,54,55,60,63, 66,68	**10/10** **Test**	**10/11** **Test**	

HONORS PRECALCULUS

CHAPTER 2.1-2.4

Monday	Tuesday	Wednesday	Thursday	Friday
			QR=Quick Review Section	10/ 12 Section 2.1 p. 169 QR odds #1-31 odds, 41,43
10/15 (LS) Section 2.1 p. 169 #33,35,37,45-48, 50, 51, 54, 62, 65, 78, 83	10/16 Section 2.3 p. 193 QR odds #3, 6, 8, 11, 14, 24, 25, 27 29, 31, 37, 41, 45	10/17 Section 2.3 p. 193 #49-52, 57, 59, 66, 75, 79, 83	10/18 (47 min periods – Lock down drill) Section 2.4 p. 205 QR (odds) #5, 6, 11, 12, 17, 18, 23, 24, 25, 29, 35	10/19 Section 2.4 p. 206 #31,47, 55, 56, 57, 59, 76
10/22 Review **Mandatory: ONLINE REVIEW is due on 10/25 at 8am (2 tries per problem)** (Optional) p. 246 #1, 3, 9, 17, 20, 21-24, 25, 29, 31, 33, 35, 37	10/23 Review	10/24 PSAT Study Hall!	10/25 Test 2.1-2.4 Skip 2.2 p. 261 QR (odds)	10/26 NO SCHOOL FOR YOU!

HONORS PRECALCULUS
CHAPTER 2.5-2.8

Monday	Tuesday	Wednesday	Thursday	Friday
10/29 Late start Section 2.5 (this assignment is due on 11/1) p. 215 # 1, 3, 7, 11, 15, 19, 23, 25, 31	10/30 Review for cumulative	10/31 **Quarter 1 Cumulative Exam**	11/1 Section 2.5 p. 215 33, 34, 41, 43, 47, 52-56, 61, 63, 66	11/2 Section 2.6 p. 225 QR odds, and #7, 10, 15-18, 21, 23, 27, 29, 33, 35
11/5 (LS) Section 2.6 p. 226 #42, 56, 58, 62, 65, 69, 75, 77	11/6 **Quiz 2.5-2.6** **Start online assignment**	11/7 Section 2.7 p. 232 QR odds and #1, 4, 12, 13, 20, 23, 27, 29, 31,34, 35, 42, 45, 47	11/8 Section 2.8 p.242 QR Odds, and, #9, 11, 17, 21, 24, 26, 29, 37, 41, 43, 49, 51	Section 2.8 p. 243 #53, 57, 58, 60, 62, 63,
11/12 (Review (optional) p.246 #59, 66, 67, 69, 71, 76, 78, 81, 84, 87, 88 Online assignment due on 11/14 at 8am	11/13 Review Online assignment due on 11/14 at 8am	11/14 **TEST 2.5-2.8**		

Precalculus Honors **Wilson**
Homework Assignments **2018-2019**

11/14	Wed	**Test §§2.5 – 2.8**
11/15	Thu	p. 261: QR (odds) and 1, 3, 5, 10 – 15, 19, 23, 25 – 30, 33, 37, 39, 43, 47, 51
11/16	Fri	p. 263: 55, 57, 58, 61, 62, 64, 66 and p. 270: QR 3 – 6 and #4 – 20 (multiples of 4)
11/19	Mon	p. 271: 21, 24 – 40 (multiples of 4)
11/20	Tue	**Quiz 3.1 – 3.2** p. 280: QR (odds) and #1 – 21 (odds), 33, 35
11/21	Wed	<< No School – Thanksgiving Break >>
11/22	Thu	<< No School – Thanksgiving Break >>
11/23	Fri	<< No School – Thanksgiving Break >>
11/26	Mon	<< Late Start >> p. 281: 37 – 45 (odds), 49 – 55 (odds), 60, 61, 62, 66, 67
11/27	Tue	p. 289: QR (odds) and #1 – 21 (odds), 25, 28, 31, 34, 35, 39 – 45 (odds)
11/28	Wed	p. 314: 3, 7, 10, 11, 18, 21, 23, 25, 27, 30, 31, 33, 37, 71, 72, 75, 78, 79
11/29	Thu	Study!
11/30	Fri	**Test §§3.1 – 3.4**
12/03	Mon	<< Late Start >> p. 300: QR (odds) and #1, 3, 6, 9, 12, 13, 14, 18, 30, 32, 33, 37
12/04	Tue	p. 301: 31, 35, 39, 41, 45, 47, 49, 51, 53
12/05	Wed	P. 310: QR (odd) and #1 – 9 (odd), 25, 27, 29, 41, 43, 45
12/06	Thu	p. 310: 13, 15, 17, 19, 47 – 55 odd
12/07	Fri	p. 314: 43 – 67 odd, 81 – 85, 87, 91, 95
12/10	Mon	<< Late Start >> 3.5-3.6 Review Packet
12/11	Tue	Study!
12/12	Wed	**Test §§3.5, 3.6**
12/13	Thu	Final Exam Review
12/14	Fri	Final Exam Review
12/17	Mon	Final Exam Review
12/18	Tue	Semester Final Exams
12/19	Wed	Semester Final Exams
12/20	Thu	Semester Final Exams

****** WINTER BREAK BEGINS ******

Precalculus Honors 3.5 and 3.6

Monday	Tuesday	Wednesday	Thursday	Friday
	December 4 3.5 page 301 #5, 7-11, 16 - 24	December 5 3.5 page 301 #26 - 28, 31(calc), 32, 34(calc), 35-38, 47-50,61,62	December 6 3.6 page 310 #2, 6, 10, 14, 18, 19, 22, 24, 28, 30	December 7 3.6 page 310 # 43, 44, 46,47, 52, 54, 55, 56, 59
December 10 Chapter Review page 314 # 54, 64, 68, 83, 87	December 11 Review	December 12 Study	December 13 3.5 and 3.6 Quest	December 14 Final exam review
December 17 Final exam review packet due	December 18	December 19 exams	December 20 exams	December 21 exams

*** There is NOT an online review assignment for this unit.

Precalculus Honors
7.2 and 7.3

1/7 No school Institute Day	1/8 Section 7.2 p.538 #1-3, 7-10, 12-16 even, 18-19,22-23, 25, 27, 31, 33, 34	1/9 Section 7.2 p.538 35-37,44, 45, 48, 55, 62	1/10 Section 7.3 Ignore given directions. Use calculator to solve every system. p.553 #1-2, 5, 7, 49-55, 58, 89,91	1/11 Section 7.3 Application Of Matrices WS
1/14 (LS) Review p. 575 #2-5 (no calc) Calc ok #8-11,13, 22,27,28,32	1/15 Quiz 7.2-7.3			

Precalculus Honors Chapters 9 and 10

Monday	Tuesday	Wednesday	Thursday	Friday
1/14 9.1 page 641 # 1-13 (due 1/16)	**1/15** **Quiz 7.2-7.3**	1/16 9.1 Page 641 #15 - 19 odd, 20 - 23	1/17 9.1 page 641 #24 - 42, 54, 55, 58	1/18 9.2 9.2 page 648 # 3, 7, 9, 11 - 14, 20, 24 - 26
1/21 **No School**	1/22 (46 min classes) 9.2 page 648 # 27 - 29, 33, 37, 38, 40, 41a-c	1/23 (25-30 min classes) 10.1 page 686 #2 - 8 even, 11 - 26 ****This is due on 1/25**	1/24 **Quiz 9.1-9.2**	1/25 10.1 page 686 #28-29, 33 - 35, 39, 40, 41, 45, 56, 58
1/28 (LS) Snow Day	1/29 10.4 page 728 # 17-19, 49, 50	1/30 Cold day	1/31 Cold Day	2/1 Chapter 9 Review page 673# 7 - 18, 23 - 27
2/4 (LS) Chapter 10 Review page 747 #3-9,11, 13, 14 10.1 page 688 #61, 62 10.4 page 727 #15	2/5 Test			

Precalculus Honors
4.1, 4.2, 5.5 and 5.6

Monday	Tuesday	Wednesday	Thursday	Friday
		2/6 4.1 page 326 #3,7,15,24,45,47, 55, 56, 74	2/7 4.1 page 325 #28,29,31 35-40,43,49,52,53	2/8 4.1 page 325 57-62,73 4.2 page 335 #7, 15, 17, 20-28 evens, 29-47 odds
2/11 (LS) 4.2 page 335 #55, 59,77,78 4.8 page393 #15,16,18, 25, 26	2/12 5.5 page 439 #2 - 12 even, 13 - 19, 21, 23, 25, 26	2/13 5.5 page 439 #27,28, 33, 38,42,43, 47 - 52 *This assignment is due 2/15	2/14 **Quiz 4.1-4.2**	2/15 5.6 page 448 #9,11,13, 18, 20, 21, 23, 29 - 31, 36-38
2/18 No School	2/19 5.6 page 448 # 40, 43, 45 - 50, 55	2/20 **Quiz 5.5-5.6** Chapter 4 Review page 399 #39,40, 97,100 Chapter 5 Review page 451 #51, 53, 59, 60, 65,66, 71,73 *This hw is optional	2/21 Study Online assignment due 2/25 at 8am	2/22 **Test**
2/25 **Test**				

Precalculus Honors
4.3-4.7

Monday	Tuesday	Wednesday	Thursday	Friday
	2/26 4.3 page 347 1, 2, 5, 9, 11, 15, 17 - 45 odd, 49, 51	2/27 4.3 page347 26 - 36 (evens), 44, 48 - 52 (evens), 60, 63, 66, 67 - 70, 76	2/28 4.4 page 357 #9,11,14,27,29,33, 39,41,42,48,49,51	3/1 **NO SCHOOL** **Institute Day**
3/4 (LS) severe weather drill 4.4 page 357 #53 - 60, 73, 75, 93, 95 and worksheet	3/5 QUIZ 4.3-4.4 Work on online assignment	3/6 4.5 page 365 #1 -4, 5,7,9,11,13,16,25, 26,29,31,33,37,39, 40,51-56	3/7 4.7 page 385 # 1 - 17 every other odd, 23 - 32 Worksheet	3/8 4.7 page 385 # 41 - 52, 56 - 62, 66 - 68 Worksheet
3/11 (LS) fire drill Page 399-401 No Calculator: 1, 5, 7, 11-14, 17 - 32 all, 34, 35, 45 - 48 all Calculator: 15, 16, 36, 41, 51, 56, 63, 83, 90	3/12 Study Work on online assignment (due 3/13 at 8am)	3/13 Test Online assignment due at 8am.	3/14 Test	

Precalculus Honors

Chapter 5

Monday	Tuesday	Wednesday	Thursday	Friday
3/18 5.1 page 410 #5,11, 15-25odd,32,35,37, 43,45,49, 65, 67 1) Be able to simplify expressions using trig identities.	3/19 5.1 page 410 # 51 - 61 odd, 71, 73, 75 - 84, 87, 88 2) Be able to solve equations using trig identities.	3/20 Review	3/8 Quarter 3 Cumulative Test	3/9 **Half Day**
4/1 5.2 page 418 # 12,13,15,17, 18, 20,21, 23, 24, 26,61-69 3) Be able to prove trig identities	4/2 5.2 page 418 # 29 - 37 odd, 40, 44, 48, 49	4/3 5.2 page 418 # 73,75,77, 78 5.3 page 425 # 1 - 21 odd 27, 31 - 34 4) Be able to evaluate expressions with trig identities. 5) Be able to simplify expressions with trig identities. 6) Be able to graph functions using trig identities.	4/4 Quiz 5.1-5.2	4/5 5.3 page 425 # 44, 48, 50, 51, 56 - 60, 62 Worksheet 7) Be able to prove using double angle identities
4/8 5.4 page 432 # 3 - 21 odd, 24, 26, 31, 33, 35 8) Be able to solve equations using trig identities.	4/9 Remote learning: work on online review assignment	4/10	4/11 5.4 page 432 # 48 - 52, 56 - 58 and worksheet 9) Be able to solve using multiple angle identities	4/12 Review page 451 #3-5,7,20,34,40, 41 and worksheet
4/15 Study	4/16 Test 5.1-5.4	4/17 Test 5.1-5.4		

HONORS PRECALCULUS

6.1-6.3

Monday	Tuesday	Wednesday	Thursday	Friday
		4/17 Section 6.1 p. 464: QR (odds) and # 1 - 37 (odds)	4/18 (38 MIN CLASSES) Section 6.1 p. 464: 24, 34, 38, 40, 41, 43, 45, 48, 49, 51	4/19 NO SCHOOL
4/22 (LS) Section 6.2 p. 472: QR (odds) and # 1 - 37 (odds)	4/23 Section 6.2 p. 472: 30, 32, 36, 43, 45, 47, 49, 51	4/24 Worksheets 6.1, 6.2	4/25 Quiz 6.1-6.2	4/26 Section 6.3 p. 482: QR (odds) and #1 – 4 (calc), 5 – 25 (odds)
4/29 Section 6.3 p. 483: 18, 22, 26, 27, 29, 31, 37 - 40	4/30 Section 6.3 p. 483: 30, 32, 43, 44, 46, 47, 51, 67	5/1 Review p. 514: 25 – 32, 79, 80, 82, 85, 90	5/2 Study!	5/3 TEST 6.1-6.3

Precalculus Honors
6.4-6.6

Monday	Tuesday	Wednesday	Thursday	Friday
5/6 6.4 page 492 #1-5, 8, 14, 16,18,22,24, 25, 29, 31-34	5/7 6.4 page 492 #36,37,39,41,43-49 odd, 55-60	5/8 6.4 page 492 #51-54, 62 6.5 worksheets	5/9 6.5 worksheets	5/10 Packet from 5/9
5/13 6.5 page 500 #1,5,6-12,15,17, 19,22,24,25,29,33, 37,41,43,45,48(use your calc#45,48	5/14 (not available before school) 6.5 page 500 70, 72 6.6 page 511 #1-3, 7, 10, 12, 13, 16, 19, 21, 23, 26, 27, 30	5/15 6.6 page 511 #31,36,38,41,43,47, 50, 54,59, 61 and 62	5/16 6.6 page 511 #65-70 Chapter Review page 514 #41, 45, 52, 61-71	5/17 (not available before school) worksheets
5/20 Review	5/21 Test 6.4-6.6			

Precalculus Honors 11.1 and 11.3

Monday	Tuesday	Wednesday	Thursday	Friday
		5/22 11.3 Limits Pg. 781 #27-32,35,36, 55-60	5/23 11.3 Worksheet	5/24 11.1 Rate of change and derivatives Pg. 762 #1-10, 17, 20, 23, 32
5/27 NO SCHOOL	5/28 Review Pg. 793 #1-8,11-18, 21,23,26,32,24,36	5/29 QUIZ Review for Final	5/30 Review for Final	5/31 Review for Final
6/3 Finals 1,2, and 3	6/4 Finals 4/5/6, 6/7/8, Make up	6/5 Finals 9, 10, Make up	Summer Break!!!	