



ALGEBRA 2 TRIG SYLLABUS

<https://hinsdale86.instructure.com>



WHAT IS EXPECTED OF ME IN THIS CLASS?

1. Character Counts! Respect everyone and everything in the room, including yourself.
2. Be Prepared. Have all materials ready when the bell rings and reach out for help as needed!
3. Be on Time.
4. Have a Positive Attitude.
5. Be an Active Participant.
6. Obey all School Rules.

WHAT SHOULD I BRING TO CLASS EVERY DAY?

- 3 - ring binder or folder (only for Alg 2/Trig)
- 3 dividers (Notes, Homework, Study Guides)
- Loose Leaf and Graph Paper
- Pencils, Erasers, and Grading Pens (NOT Blue or Black)
- Recommended = TI 84+ CE Graphing Calculator, otherwise TI-83 or TI-84
- Chromebook (charged ☺)
- Note: Leave your textbook at home!

WHAT SHOULD I DO IF I NEED EXTRA HELP?



1. Come to Room 204!!! I am available almost every day from 7:30–8:00 AM and 3:00–3:30 PM. Many questions can be answered in just a few minutes, so PLEASE do not be afraid to stop by!
2. Check Canvas! Notes and homework keys will be posted for guidance!
3. Phone a Friend! Talking a problem out loud is a great way to help you figure it out!
4. Send Me an Email with any questions you may have. I will email you back as soon as I can.

WHAT IS THE ELECTRONIC DEVICES POLICY?

Students are expected to give their full attention to classroom activities.

Chromebooks will be used daily in our class. It is important that every student stay focused on the task at hand. All students are expected to only have the web browsers open that we are using at that time. If a student fails to follow these expectations, that student will receive a written dean's referral.

In addition, cell phones, portable gaming systems, digital music players, and other electronic computing devices should be turned off and put away when students are in the classroom. This includes earbuds/headphones being put away before entering the classroom. If a student fails to follow these expectations, that student will receive a written dean's referral.

Note: Let me know if there is an emergency where you need to contact home right away and I will arrange for you to do so. If there is an emergency where your parents need to reach you, they will be able to contact the school and have you notified in class right away.

WHAT IS THE ATTENDANCE POLICY?

When you are absent, YOU will be responsible for checking the absent folder in the classroom and our Canvas website to get the material you missed. YOU are responsible to go through the notes and assignments that you have missed. You should refer to your student handbook for general guidelines on turning in missing work. See me if you have questions about the material.

HOW WILL I BE GRADED?

My Quarter Grade	
Tests (Summative)	50%
Quizzes (Summative)	30%
Participation/In-Class/HW (Formative)	20%

Percentage	Letter Grade
90 - 100	A
80 - 89.9	B
70 - 79.9	C
60 - 69.9	D
0 - 59.9	F

My Semester Grade	
Quarter 1 & 2	80%
Final Exam	20%

Summative = Test/Quiz (80%):

Test/Quiz dates will be given on the calendar at the start of each chapter (dates may change as needed). The material covered will primarily be from the most recent sections covered; however, since math is a cumulative subject, you are still responsible for any prior material discussed in class. In addition, tests/quizzes will usually have a graphing calculator allowed portion. I will typically clear/reset the memory on everyone's calculator before and/or after the test or quiz. You will NOT be allowed to share calculators on these days. You will not be given extra time on any assessment unless determined it is needed by a 504 Plan or IEP. I will work with you on test-taking strategies if this becomes a problem. See student planner for district policy on make-ups.

Formative = Homework/In-Class Activities (20%):

Homework: You will be assigned homework EVERY NIGHT with very few exceptions. Homework is for YOUR BENEFIT. It is your opportunity to practice the concept learned that day and to get feedback on it by checking the class website for answers. You are expected to SHOW ALL WORK. This means that all diagrams should be drawn, all work shown in a logical manner, and corrections should be made in a colored pen using the correct answers on Canvas. As you move toward academic independence, it is essential that you understand the connection between the homework you do and your individual understanding of that material.

With that said, part of my job is to hold you accountable for completing assignments that are given. Homework checks will be assigned at the beginning of many class periods. You will have to answer a couple of questions that will most often come directly from your homework. On other days, I may just check in homework by having you show me what you completed. Other days I may choose to collect and grade the assignment. Each homework assignment and check is typically worth 4 points.

In-Class Activities: You will also be assigned in class assignments to be collected for a grade. Math isn't just about arriving at "the right" answer. It is about collaborating, discussing, and problem solving. These are valuable skills that you will use outside of the classroom. Every aspect of your future will require that you comprehend complex ideas, think critically, and communicate effectively. I will help you work on these skills through assignments such as partner activities, group assignments, and discovery activities.

By signing below, I am confirming that I have read, understand, and will follow the expectations and policies outlined above for Algebra 2 Trig this year.

Student Printed Name

Student Signature




Parent Signature

ALGEBRA 2/TRIG

Unit 1: Functions & Transformations



Canvas Site: <https://hinsdale86.instructure.com/>

Monday	Tuesday	Wednesday	Thursday	Friday
8/13 	8/14	8/14 Day 1 <i>Functions & Compositions (Tables & Graphs)</i> Due Monday: About You Parent Email Syllabus - Signed Supplies	8/15 Day 1 Cont'd <i>Functions & Compositions (Equations)</i> Day 1 Worksheet	8/16 Day 2 <i>Functions & Compositions (All)</i> Day 2 Worksheet
8/19 <i>*Late Start*</i> Day 3 <i>Six Parent Functions & Domain/Range</i>	8/20 Day 4 <i>Six Parent Functions</i>	8/21 Day 5 <i>Functions Quiz</i> 	8/22 Day 6 <i>1.1 Transformations (shift/reflect)</i>	8/23 Day 7 <i>1.1 Transformations (stretch/shrink)</i>
8/26 Day 8 <i>1.2 Multiple Transformations</i>	8/27 Day 9 <i>1.2 Multiple Transformations & Intro to Piecewise Functions</i>	8/28 Day 10 <i>Review</i>	8/29 Day 11 <i>Unit 1 Test: Functions & Transformations</i> 	8/30 NO SCHOOL <i>Relax. Enjoy the Long Weekend!</i>

Schedule is subject to change.

****If you are absent, it is YOUR responsibility to show me missing work for credit.****

UNIT 1 GOAL




My goal is to earn a _____. I am going to do the following in order to achieve this goal:

1. _____
2. _____

DID I ACHIEVE MY GOAL? _____ IF NOT, WHERE DID I FALL SHORT? _____

Algebra 2/ Trig

Unit 2: Intersections

Monday	Tuesday	Wednesday	Thursday	Friday
9/2 No School!  HAPPY LABOR DAY	9/3 Day 1 <i>2x2 Linear Systems</i> Day 1 Worksheet	9/4 Day 2 <i>3x3 Linear Systems</i> <small>Include picture examples</small> (1.4) Pg. 34 #1, 2, 23, 24, 18	9/5 Day 3 <i>3x3 Systems & Applications</i> Pg. 34 #17, 25, 26, 28, 30	9/6 Day 4 Quiz  Day 4 Worksheet
9/9 Day 5 <i>Systems using Lines/Parabolas Lines/Circles</i> <small>(Graphically & Algebraically)</small> (3.5) Pg. 136: *6, *8, 11-13, 15, 16, 27 *Use Graphing Calc*	9/10 Day 6 <i>Systems using Lines/Absolute Value</i> <small>(Graphically & Algebraically)</small> Day 6 Worksheet	9/11 FLD (½ Day) Day 7 <i>Systems using Absolute Value Inequalities</i> <small>(Graphically & Algebraically)</small> (3.6) Day 7 Worksheet	9/12 Day 8 <i>Systems using Absolute Value Inequalities</i> <small>(Graphically & Algebraically)</small> (3.6) Day 8 Worksheet	9/13 Day 9 <i>Applications & Graphing Calculator</i> Finish In Class Activity and Begin Study Guide
9/16 <i>Late Start</i> Day 10 <i>Review</i> Finish Study Guide STUDY!!!	9/17 Day 11 <i>Unit 2 Intersections Test</i> 			

Schedule is subject to change.

If you are absent, it is *YOUR* responsibility to show me missing work for credit.

Unit 2 Goal

My goal is to earn a _____. I am going to do the following in order to achieve this goal:

1. _____




2. _____

Did I achieve my goal? _____ If not, where did I fall short? _____

Algebra 2 Trigonometry

Unit 3 Quadratics





Mrs. Klotz

Monday	Tuesday	Wednesday	Thursday	Friday
9/16	9/17	9/18 Day 1 Three Forms (2.1/2.2) Day 1 Worksheet	9/19 Day 2 Three Forms (2.1/2.2) Page 54 #45 Page 61 #7, 22, 35, 71, 72 <small>*Graphs: AOS, Vertex, Domain, Range & Other Key Features</small>	9/20 <small>Pep Assembly</small> Day 3 Practice Day (2.1/2.2) Finish Notes
9/23 <small>Late Start</small> Day 4 Solve by Factoring (including $a \neq 1$) (3.1) Page 99-100 #15, 17, 27-29, 51-52, 55, 60	9/24 Day 5 Difference of Perfect Squares & Practice Day (2.1, 2.2, 3.1) Study Guide	9/25 Day 6 <i>Quit!</i> 2.1, 2.2, 3.1  TBD	9/26 Day 7 Complex Numbers (3.2) Worksheet	9/27 <small>Pep Assembly</small> Day 8 Complex Numbers (3.2) Page 108 #6, 11, 12, 27, 40, 47, 52-54
9/30 Day 9 Quadratic Formula & Discriminant (3.4) Finish Notes	10/1 Day 10 Quadratic Formula & Discriminant (3.4) Page 127-130 #19, 22, 23 <small>(19, 22, 23 Find Discriminant & Solve)</small> 28-32, 35-36, 38, 59	10/2 <small>FLD</small> Day 11 Completing the Square Page 116 #1, 11, 15, 25, 26, 38, 55	10/3 Day 12 Completing the Square Pg. 116-118 #31, 35, 37, 42, 44, 45, 57, 69	10/4 Day 13 Applications Study Guide
10/7 <small>Late Start</small> Day 14 Review Study!!! Redo Quiz, Study Guide, old HW, etc.	10/8 Day 15 <i>Unit 3 Test</i>  Midterm Review	10/9 Day 16 Review Midterm Review	10/10 Day 17 Review Midterm Review	10/11 Day 18 <i>Midterm</i>  Have an awesome long weekend ☺

Schedule is subject to change.

****If you are absent, it is *your* responsibility to show me missing work for credit.****







Unit 4: Polynomials

Monday	Tuesday	Wednesday	Thursday	Friday
10/14 No School! Columbus Day!	10/15 Day 1 (Algebra 1 Review) <i>Properties of Exponents</i> Worksheet	10/16 (PSAT: Juniors) Study Hall <i>Good Luck Juniors on the PSAT!</i> See yesterday!	10/17 Day 2 (Algebra 1 Review) <i>4.2 Operations with Polynomials</i> Pg. 170-172 #8, 13, 18, 20, 24-26, 27, 35-37	10/18 Day 3 <i>4.3 Dividing Poly's Monomials, Long Division</i> Quizizz
10/21 Day 4 <i>4.3 Dividing Poly's Long Division</i> Pg. 177 #5, 6, 7, 11 and Front Page of Study Guide	10/22 Day 5 <i>4.3 Dividing Poly's Synthetic Division</i> Pg. 177 #11, 14, 16 (Long & Synthetic - Which do you like better?) Pg. 177 #23, 24 (Find & Correct Error)	10/23 (FLD) Day 6 <i>Review</i> Finish Study Guide & In Class Review	10/24 Day 7 <i>4.2-4.3 Quiz</i>  ?? Quizizz (Pre-assessment)	10/25 No School! 
10/28 Late Start Day 8 <i>4.4 Remainder and Factor Theorem</i> Worksheet	10/29 Day 9 <i>4.4 Remainder and Factor Theorem</i> Worksheet	10/30 Day 10 <i>Analyzing Graphs: Graph Behavior, Local vs. Absolute Min and Max, Zeros</i> Worksheet	10/31 Day 11 <i>4.5 Solving Polynomial Functions</i> Worksheet	11/1 Day 12 <i>4.5 Solving Polynomial Functions</i> Worksheet
11/4 Late Start Day 13 <i>Solving Polynomial Functions & Review</i> Study Guide for Quiz	11/5 Day 14 <i>4.5, 4.4, 4.8 Quiz</i>  Study Guide for Test (Odds)	11/6 Day 15 <i>Review</i> Study Guide for Test (Evens)	11/7 Day 16 <i>Review</i> Study!	11/8 Day 17 <i>Unit 4 Test</i> 

Schedule is subject to change.




It is your responsibility to turn in late when you are absent.

Algebra 2 Trig
Unit 5: Radicals




Monday	Tuesday	Wednesday	Thursday	Friday
<p>11/11 (LS - SEL)</p> <p style="text-align: center;">Day 1 5.6 Inverse Functions</p> <p style="text-align: center;">Homework: Pg. 281-283 #16, 20-22, 29, 49, 50, 54-58</p>	<p>11/12</p> <p style="text-align: center;">Day 2 5.6 Inverse of Non-Linear Functions with Domain Restrictions</p> <p style="text-align: center;">Homework: Day 2 Worksheet</p>	<p>11/13</p> <p style="text-align: center;">Day 3 5.6 Review of Inverse of Non-Linear Functions</p> <p style="text-align: center;">Homework: Day 3 Worksheet</p>	<p>11/14</p> <p style="text-align: center;">Day 4 5.3 Graphing Square Roots, Domain/Range, Interval Notation</p> <p style="text-align: center;">Homework: Day 4 Worksheet</p>	<p>11/15</p> <p style="text-align: center;">Day 5 5.3 Graphing Square Roots, Domain/Range, Interval Notation & Review</p> <p style="text-align: center;">Homework: Study Guide</p>
<p>11/18 (LS - A)</p> <p style="text-align: center;">Day 6 Quiz #1</p>  <p style="text-align: center;">Homework: Day 6 Worksheet</p>	<p>11/19 (Parent Part)</p> <p style="text-align: center;">Day 7 5.1 nth Roots/Simplifying Radicals</p> <p style="text-align: center;">Homework: Day 7 Worksheet</p>	<p>11/20</p> <p style="text-align: center;">Day 8 5.1 Simplifying & Operations with Radicals</p> <p style="text-align: center;">Homework: Day 8 Worksheet</p>	<p>11/21</p> <p style="text-align: center;">Day 9 5.1 Review & Rational Exponents</p> <p style="text-align: center;">Homework: Pg. 248 #14-15, 25-26, 47,49,51, 57-58</p>	<p>11/22</p> <p style="text-align: center;">Day 10 Rational Exponents</p> <p style="text-align: center;">Homework: Pg. 248-249 #4-12 Even, 39, 45, 48, 70</p>
<p>11/25</p> <p style="text-align: center;">Day 11 Review</p> <p style="text-align: center;">Homework: Study Guide</p>	<p>11/26</p> <p style="text-align: center;">Day 12 Quiz #2</p>  <p style="text-align: center;">Homework: Have an awesome Thanksgiving Weekend ☺</p>	<p>11/27</p> <p style="text-align: center;">Thanksgiving Break</p> 	<p>11/28</p> <p style="text-align: center;">Thanksgiving Break</p> 	<p>11/29</p> <p style="text-align: center;">Thanksgiving Break</p> 
<p>12/2 (LS - B)</p> <p style="text-align: center;">Day 13 5.4 Solving Radical Equations</p> <p style="text-align: center;">Homework: Day 13 Worksheet</p>	<p>12/3</p> <p style="text-align: center;">Day 14 5.4 Solving Radical Equations</p> <p style="text-align: center;">Homework: Day 14 Worksheet</p>	<p>12/4</p> <p style="text-align: center;">Day 15 Review</p> <p style="text-align: center;">Homework: Study Guide for Unit 5 Test</p>	<p>12/5</p> <p style="text-align: center;">Day 16 Review</p> <p style="text-align: center;">Homework: Study Guide for Unit 5 Test</p>	<p>12/6</p> <p style="text-align: center;">Day 17 Unit 5 Radical Test</p>  <p style="text-align: center;">Homework: Final Exam Review</p>

12/9 (LS - A) Piece-Wise Functions Homework: Worksheet	12/10 (Holiday Concert) Piece-Wise Functions Homework: Worksheet	12/11 Partner Assessment on Piece-Wise Homework: Final Exam Review	12/12 Final Exam Review (Unit 1: Transformations & Functions, Unit 2: Intersections) Homework: Final Exam Review	12/13 Final Exam Review (Unit 3 Quadratics) Homework: Final Exam Review
12/16 Final Exam Review (Unit 4 Polynomials) Homework: Final Exam Review	12/17 Final Exam Review (All Topics: Unit 1, 2, 3, 4, 5) Homework: Study!!!	12/18 FINAL Exams Period 1 Period 2 Period 3	12/19 FINAL Exams Period 4/5/6 Period 6/7/8 Make Up	12/20 FINAL Exams Period 9 Period 10 Make Up Homework: Enjoy Winter Break ☺☺☺




Unit 6: Rational Functions


Monday	Tuesday	Wednesday	Thursday	Friday
Jan. 7 	Jan. 8 <i>Welcome to 2nd Semester!</i> Unit 6. Day 1 7.3 Multiplying & Dividing Quizizz	Jan. 9 Unit 6. Day 2 7.3 Multiplying & Dividing Worksheet	Jan. 10 Unit 6. Day 3 7.4 Adding & Subtracting Pg. 388 #3, 7-9, 13-16, 18-20, 22, 24, 26	Jan. 11 Unit 6. Day 4 7.4 Adding & Subtracting Study Guide
Jan. 14 Unit 6. Day 5 Quiz 7.3-7.4 	Jan. 15 Unit 6. Day 6 7.5 Solving Rational Equations Pg. 396 #6, 8, 10, 16-18, 20, 22, 24, 26, 27	Jan. 16 Unit 6. Day 7 7.5 Solving Rational Equations Study Guide	Jan. 17 Unit 6. Day 8 Review Finish Study Guide	Jan. 18 Unit 6. Day 9 Quest 7.3, 7.4 & 7.5 

Unit 6: Rational Functions

Monday	Tuesday	Wednesday	Thursday	Friday
Jan. 7 	Jan. 8 <i>Welcome to 2nd Semester!</i> Unit 6. Day 1 7.3 Multiplying & Dividing Quizizz	Jan. 9 Unit 6. Day 2 7.3 Multiplying & Dividing Worksheet	Jan. 10 Unit 6. Day 3 7.4 Adding & Subtracting Pg. 388 #3, 7-9, 13-16, 18-20, 22, 24, 26	Jan. 11 Unit 6. Day 4 7.4 Adding & Subtracting Study Guide
Jan. 14 Unit 6. Day 5 Quiz 7.3-7.4 	Jan. 15 Unit 6. Day 6 7.5 Solving Rational Equations Pg. 396 #6, 8, 10, 16-18, 20, 22, 24, 26, 27	Jan. 16 Unit 6. Day 7 7.5 Solving Rational Equations Study Guide	Jan. 17 Unit 6. Day 8 Review Finish Study Guide	Jan. 18 Unit 6. Day 9 Quest 7.3, 7.4 & 7.5 






Algebra 2 / Trig
UNIT 7: EXPONENTS & LOGS

Monday	Tuesday	Wednesday	Thursday	Friday
Jan. 21 	Jan. 22 (Into to Assembly: 46 min) Unit 7. Day 1 6.1 Equations of Exponential Functions Finish Notes Pages 1 - 3	Jan. 23 (Assembly: 25 to 30 min) Unit 7. Day 2 6.1/6.6 Graphs of Exponential Functions Finish Notes Page 5	Jan. 24 Unit 7. Day 3 6.3 Logarithms Log Practice Worksheet Page 8	Jan. 25 Unit 7. Day 4 6.6 Logs → Exponents Quizizz and Start Study Guide
Jan. 28 Late Start SNOW DAY	Jan. 29 Unit 7. Day 5 6.5 Properties of Logs Page 331-332 #21, 23, 26, 30-32	Jan. 30 COLD DAY	Jan. 31 COLD DAY	Feb. 1 Unit 7. Day 6 6.5/6.6 Properties of Logs Page 331-332 #3-12 & Finish Study Guide
Feb. 4 Late Start Unit 7. Day 7 6.1, 6.3, 6.5, 6.6 Review STUDY! Go back and redo problems you got incorrect on HW assignments	Feb. 5 Unit 7. Day 8 UNIT 7 QUIZ #1  Enjoy the night off!	Feb. 6 Unit 7. Day 9 Change of Base ½ Sheet	Feb. 7 Unit 7. Day 10 6.7 Compound Interest Watch Video and Take Notes	Feb. 8 Pep Rally, 38 min periods Unit 7. Day 11 6.7 Exponential Growth & Decay Study Guide for Quiz
Feb. 11 Late Start Unit 7. Day 12 Review Study!	Feb. 12 Unit 7. Day 13 UNIT 7 QUIZ #2 	Feb. 13 Unit 7. Day 14 6.2/6.3 e & ln	Feb. 14 Unit 7. Day 15 6.2/6.3 e & ln Start Study Guide	Feb. 15 Unit 7. Day 16 Unit 7 Review Finish and Correct Study Guide

Feb 18 NO SCHOOL	Feb 19 Unit 7. Day 17 <i>Unit 7 Review</i> Study!	Feb 20 Unit 7. Day 18 UNIT 7 TEST 	Feb 21	Feb 22
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Algebra 2 / Trig
Unit 8: Trigonometry



Monday	Tuesday	Wednesday	Thursday	Friday
February 18 <i>President's Day</i> 	February 19	February 20	February 21 Unit 8. Day 1 <i>Right Triangle Trig Review</i>	February 22 Unit 8. Day 2 <i>Right Triangle Trig Review</i>
February 25 Unit 8. Day 3 <i>Right Triangle Trig Mini - Quiz</i> <i>Intro to Angles (Degree Measures)</i>	February 26 Unit 8. Day 4 <i>Degree Measures</i>	February 27 Unit 8. Day 5 <i>Degree Measures</i>	February 28 Unit 8. Day 6 <i>Degree Measures Exact Values</i>	March 1 <i>Institute Day</i> 
March 4 Unit 8. Day 7 <i>Review</i>	March 5 Unit 8. Day 8 Quiz (Degrees) 	March 6 Unit 8. Day 9 <i>Radian Measures</i>	March 7 Unit 8. Day 10 <i>Radian Measures</i>	March 8 Unit 8. Day 11 <i>Radian Measures</i>
March 11 Unit 8. Day 12 Mini Quiz (Radians)  <i>Inverse Trig</i>	March 12 Unit 8. Day 13 <i>Inverse Trig</i>	March 13 Unit 8. Day 14 <i>Review</i>	March 14 <i>Happy Pi Day!</i> Unit 8. Day 15 <i>Review</i>	March 15 <i>End of 3rd Quarter</i> Unit 8. Day 16 Test 
March 18 <i>Start of 4th Quarter</i> Q3 Cumulative Review	March 19 Q3 Cumulative Review	March 20 Q3 Cumulative Exam 	March 21	March 22 <i>11:30 Dismissal</i>

ALGEBRA 2 / TRIG

Unit 9: Graphs of Trig Functions






Monday	Tuesday	Wednesday	Thursday	Friday
		March 21 Unit 9. Day 1 <i>Graphing in Degrees</i> <i>Vertical Transf.</i> Worksheet	March 22 Unit 9. Day 2 <i>Graphing in Degrees</i> <i>Horizontal Transf.</i> Worksheet	March 23 Early Dismissal 11:30
March 26 	March 27 	March 28 SPRING BREAK	March 29 	March 30 
April 2 NO SCHOOL	April 3 Unit 9. Day 3 <i>Graphing in Degrees</i> <i>All Transf.</i> Worksheet	April 4 Unit 9. Day 4 <i>Graphing in Radians</i> <i>All Transf.</i> Worksheet	April 5 Unit 9. Day 5 Review Worksheet	April 6 Unit 9. Day 6 Graphing Quiz 
April 9 Unit 9. Day 7 <i>Graphing Tangent</i> <i>Trig Word Problems</i> Worksheet	April 10 SAT (Juniors Out)	April 11 Unit 9. Day 8 <i>Trig Word Problems</i> Worksheet	April 12 Unit 9. Day 9 <i>Trig Word Problems</i> Worksheet	April 13 Unit 9. Day 10 <i>Solving Trig Equations</i> Worksheet
April 16 Unit 9. Day 11 Review Study Guide (Odds)	April 17 Unit 9. Day 12 Review Study Guide (Evens)	April 18 Unit 9. Day 13 Unit 9 Test 	April 19 	April 20

****Schedule is subject to change****

*****If you are absent it is up to you to show me the missing work for credit*****

ALGEBRA 2 / TRIG
UNIT 10: STATISTICS

Monday	Tuesday	Wednesday	Thursday	Friday
<p style="text-align: center;">May 6</p> <p>Unit 10. Day 12 <i>Coaster Flipping Data Distribution</i></p> <p style="text-align: center;">None</p>	<p style="text-align: center;">May 7</p> <p>Unit 10. Day 13 <i>Data Distribution</i></p> <p style="text-align: center;">Worksheet</p>	<p style="text-align: center;">May 8</p> <p>Unit 10. Day 14 <i>Normal Distribution, Standard Deviation</i></p> <p style="text-align: center;">Worksheet</p>	<p style="text-align: center;">May 9</p> <p>Unit 10. Day 15 <i>Z-Scores</i></p> <p style="text-align: center;">Worksheet</p>	<p style="text-align: center;">May 10</p> <p>Unit 10. Day 16 <i>Review</i></p> <p style="text-align: center;">Study Guide</p>
<p style="text-align: center;">May 13</p> <p>Unit 10. Day 17 <i>Intro to Stats Quiz</i></p> <p style="text-align: center;"></p> <p style="text-align: center;">None</p>	<p style="text-align: center;">May 14</p> <p>Unit 10. Day 18 <i>Percentiles & Normal Distribution</i></p> <p style="text-align: center;">Quizizz</p>	<p style="text-align: center;">May 15</p> <p>Unit 10. Day 19 <i>Population/Sample, Sampling Bias & Margin of Error</i></p> <p style="text-align: center;">Worksheet</p>	<p style="text-align: center;">May 16</p> <p>Unit 10. Day 20 <i>Review</i></p> <p style="text-align: center;">Study Guide</p>	<p style="text-align: center;">May 17</p> <p>Unit 10. Day 21 <i>Statistics Test</i></p> <p style="text-align: center;"></p> <p style="text-align: center;">Begin Final Exam Review Packet</p>
<p style="text-align: center;">May 20</p> <p>Unit 11. Day 1 A&G Sequences</p> <p style="text-align: center;">Worksheet</p>	<p style="text-align: center;">May 21</p> <p>Unit 11. Day 2 A&G Sequences</p> <p style="text-align: center;">Worksheet</p>	<p style="text-align: center;">May 22</p> <p>Unit 11. Day 3 A&G Sequences</p> <p style="text-align: center;">Worksheet</p>	<p style="text-align: center;">May 23</p> <p>Unit 11. Day 4 A&G Sequences</p> <p style="text-align: center;">Study Guide</p>	<p style="text-align: center;">May 24</p> <p>Unit 11. Day 5 Quiz</p> <p style="text-align: center;"></p>
<p style="text-align: center;">May 27</p> <p style="text-align: center;">MEMORIAL DAY</p>	<p style="text-align: center;">May 28</p> <p style="text-align: center;">Day 1 Finals Review</p>	<p style="text-align: center;">May 29</p> <p style="text-align: center;">Day 2 Finals Review</p>	<p style="text-align: center;">May 30</p> <p style="text-align: center;">Day 3 Finals Review</p>	<p style="text-align: center;">May 31</p> <p style="text-align: center;">Day 4 Finals Review</p>
<p style="text-align: center;">June 3</p> <p>Final Exams Period 1 Period 2 Period 3</p>	<p style="text-align: center;">June 4</p> <p>Final Exams Period 4/5/6 Period 6/7/8 Make-up</p>	<p style="text-align: center;">June 5</p> <p>Final Exams Period 9 Period 10</p>		

THEN...
SUMMER BREAK!!!

Pre-Calculus
2019-2020
Ms. Rogala
arogala@hinsdale86.org

Expectations

1. **Be Respectful** of your classmates and teacher--Don't talk while others are talking
2. **Be Responsible:** Stay organized, participate in class, complete homework and prepare for tests and quizzes.
3. **Be Honest.** I expect that any work you turn in is your own. This includes tests, quizzes, in-class assignments and homework. If you are caught cheating you will be subject to consequences outlined in your student handbook.
4. Bring all required materials to class with you every day.
5. Cellphones/electronics are **not** allowed during class. This means they should not be out unless I have given you permission.
6. **Follow all HCHS rules and policies** in the classroom

Materials

- ✓ Precalculus: Graphical, Numerical, Algebraic, 9th Edition e-Textbook – *hard copy is optional*
- ✓ A binder with loose lined paper and graph paper
- ✓ TI 83 or TI 84 Plus Graphing Calculator
- ✓ Pencils, erasers and grading pens (NOT blue or black)
- ✓ HCHS planner – *This is your Hall pass if you need to leave the room – no exceptions!*
- ✓ *Charged Chromebook*

Cell Phone Policy

You are expected to keep your phones on silent and put away during instructional time, group work, reviews, class activities, quizzes, and tests. You will have opportunities for technology time, but only when instructed by me. Cell phone violations will result in a Dean's Referral.

Grades: You will be graded according to the following scale:

My Quarter Grade	
Tests/Quizzes	80%
Homework	15%
Participation/ Work Habits	5%

Percentage	Letter Grade
90 – 100	A
80 – 89.9	B
70 – 79.9	C
60 – 69.9	D
0 – 59.9	F

Semester Grade	
Marking Period	80%
Final Exam	20%

Participation: You are expected to take notes in your packet daily. There will be graded warm ups and exit slips. These will either be graded for completion or accuracy. You will be expected to make up these graded assessments in the case of an excused absence.

Absences

If you are absent, handouts from the previous day will be located in the file folders in the back of the classroom. You may access the notes from the previous day on my website or from a classmate. *If you are absent on the day of a quiz/test, you are expected to make it up within 2 school days. Please refer to your student handbook for more information regarding this issue.*

Homework

Homework is assigned every night, with few exceptions. Homework will be checked in on various days for completion or collected and graded for accuracy. Some homework assignments will be assigned through your textbook or through the online software, My Math Lab. If you are unable to complete an online homework assignment due to technical requires, it is your responsibility to e-mail me or seek out help before school.

Online Homework assignments will be graded for accuracy out of 5 points as listed below.

Percentage	Points
90 – 100	5
80 – 89.9	4
70 – 79.9	3
60 – 69.9	2
40 - 59.9	1
0 - 39.9	0

Late homework will not be accepted for credit. In the event you are absent, it is your responsibility to show me the missing assignment when you return. If you are on a field trip, you are responsible for all work done the day you are gone and it is due the next day!

Tests/quizzes

Test/quiz dates will be clearly marked on the calendar at the beginning of each unit. **If you are absent the day before a quiz or test, you are still required to take the assessment on the day it was previously scheduled.** If you are absent on the day of a quiz or test, you will need to make up the assessment within two days of the excused absence (refer to pg. 20 of student handbook for further information regarding make-up work). You can do this in the test make-up center or arrange a time with me. If a test or quiz is not made up in the allotted time, you will receive a zero.

Extra Help - Room 209

I am available for help at 7:30am in room 209 every morning and after school by appointment. Pre-Calculus covers a lot of material very rapidly so you are encouraged to seek out help as soon as you feel you are falling behind. Many questions can be answered in just a few minutes so please do not be afraid to seek out help!

Website

The course website for this course can be found on the CANVAS website through your courses. You may access this page from the following link: hinsdale86.instructure.com

Here you may find course materials such as notes, homework solutions and calendars.

I am looking forward to a great year! Please come to me with any questions that you might have. I am here for you! 😊

2019-2020 1st semester

Week	Monday	Tuesday	Wednesday	Thursday	Friday
1	8/12 Institute Day	8/13 work collaboration day	8/14 First Day of School	8/15	8/16
			First Day of School/P1	P5	P5
2	8/19 (LS)	8/20	8/21	8/22	8/23
	P7	P7	Review	Quiz- Ch. P	1.2 Functions & Domains
3	8/26 (LS)	8/27	8/28	8/29 Curriculum Night	8/30
	1.2 Range, Increasing/Decreasing	1.2 Max/Min, Boundedness, Even/Odd/Neither	1.2 Day 4 Vertical/Horiz Asymptotes	1.2 Quiz	Alice Training All Staff Institute
4	9/2	9/3	9/4	9/5	9/6
	 Labor Day	11.3 Day 1	11.3 Day 2	11.3 Day 3	11.3 Day 4
5	9/9	9/10	9/11 (FLD)	9/12	9/13
	Review	1.2- 11.3 Quiz	1.3 11 basic functions	1.4 Function Composition	1.4 Function Decomposition
6	9/16 (LS)	9/17	9/18	9/19	9/20 Assembly
	1.5 Inverse Functions	1.6 transformations	Review	1.4-1.6 Quiz	Review
7 Home- coming week	9/23 (LS)	9/24	9/25	9/26	9/27 Assembly
	Review	Review	Ch. 1 Test	2.1 Polynomials, Quadratics	2.1 Linear Functions, Applications
8	9/30	10/1	10/2 (FLD)	10/3	10/4
	2.3 Key Features of Graphs (Even/Odd, Multiplicity)	2.3/2.4 Key Features of Graphs	2.4 Division of Poly's	2.4 Factoring Polynomials	P6 Complex Numbers
9	10/7 (LS)	10/8	10/9	10/10	10/11
	2.5 Fund. Thm. of Alg. Linear Fact. Thm.	2.5 Factor Poly's (real and complex zeros)	Review	Review	2.1-2.5 Quest
Week	Monday	Tuesday	Wednesday	Thursday	Friday
10	10/14	10/15	10/16	10/17	10/18


	Columbus Day	2.6 <i>Graphs of Rational Functions</i>	Juniors PSAT	2.6 <i>Graphs of Rational Functions</i>	2.6 <i>Slant Asymptotes</i>
11	10/21	10/22	10/23 (FLD)	10/24 conferences	10/25 conferences
	2.7 <i>Solving Rational Equations</i>	2.7 <i>Solving Rational Equations</i>	2.8 <i>Solving Inequalities</i>	2.8 <i>Solving Inequalities</i>	No School Conferences
12	10/28 (LS)	10/29	10/30	10/31	11/1
	Review	Review	2.6-2.8 Quest	Midterm Review	Midterm
13	11/4 (LS)	11/5	11/6	11/7	11/8
	3.1 <i>Exponential Functions</i>	3.1 <i>Logistic Growth Functions</i>	3.2 <i>Exponential, Logistic Modeling</i>	3.2 <i>Exponential, Logistic Modeling</i>	3.3 <i>Logarithms</i>
14	11/11 (LS)	11/12	11/13	11/14	11/15
	3.3 <i>Logarithms Graphing Logs</i>	3.1-3.3 Review	3.1-3.3 Quiz	3.4 <i>Properties of Logs</i>	3.4 <i>Properties of Logs</i>
15	11/18 (LS)	11/19 parent part. Day(?)	11/20	11/21	11/22
	3.5 <i>Solving Equations with Logs/Exponents</i>	3.5 <i>Solving Equations with Logs/Exponents</i>	3.5 <i>Applications, Practice</i>	Review	Chapter 3 Test
16	11/25 (LS)	11/26	11/27	11/28	11/29
			Thanksgiving Break	Thanksgiving Break	Thanksgiving Break
17	12/2 (LS)	12/3	12/4 Holiday concert	12/5	12/6
	9.3 <i>Arithmetic, Geometric Sequences</i>	9.3 <i>Common Diff, nth term, Recursive Rule, Explicit Rule</i>	9.3 <i>Limits of Sequences-convergence/divergence</i>	9.4 <i>Series - Summation Notation; Finite Sums</i>	9.4 <i>Series - Infinite Sums</i>
18	12/9 (LS)	12/10	12/11	12/12	12/13
	9.4 Practice	Review	Review	9.3-9.4 Quest	Finals Review
19	12/16	12/17	12/18	12/19	12/20
	Finals Review	Finals Review	Finals	Finals	Finals

Week	Monday	Tuesday	Wednesday	Thursday	Friday
	1/6	1/7	1/8	1/9	1/10
1	 Institute Day	9.1 <i>Basic Combinatorics</i>	9.1 <i>Permutation Counting Formula</i>	9.1 <i>Combination Counting Formula</i>	9.1 <i>More Combinatorics</i>
	1/13 8:50 Late Start	1/14	1/15	1/16	1/17
2	9.1 <i>Practice</i>	10.1 <i>Basic Probability</i>	10.1 <i>Conditional Probability</i>	10.1 <i>Combination, Permutation Probability</i>	9.1, 10.1 Practice
	1/20	1/21	1/22	1/23	1/24
3	 MLK Day	Review	Ch. 9 Quest	4.1, 4.2 <i>Angles, Bearings, Right Triangle Trig</i>	4.1, 4.2 <i>Angles, Bearings, Right Triangle Trig</i>
	1/27	1/28	1/29 (FLD)	1/30	1/31 Pep Assembly
4	4.3 <i>Coterminal Angles, Circular Functions</i>	4.3 <i>Unit Circle</i>	<i>Practice Day</i>	4.5 <i>Solving Trig Equations</i>	4.7 <i>Inverse Trig</i>
	2/3 8:50 Late Start	2/4	2/5	2/6	2/7
5	4.7 <i>Inverse Trig</i>	Review	Ch. 4 Quiz <i>(Possibly another review day for inverse trig?)</i>	5.5 <i>Law of Sines</i>	5.5 <i>Law of Sines (Ambiguous Case)</i>
	2/10	2/11	2/12 (FLD)	2/13	2/14
6	5.6 <i>Law of Cosines</i>	5.6 <i>Law of Cosines, Ambiguous Case, Area</i>	<i>Practice Day?</i>	5.6 <i>Choosing a Method</i>	Review
	2/17	2/18	2/19	2/20	2/21
7	 President's Day	Review	Test	Appendix A <i>Simplifying Fractions, Solving Equations</i>	Appendix A <i>Simplifying Fractions, Solving Equations</i>
	2/24	2/25	2/26	2/27 PTC (6-9pm)	2/28
8	5.1 <i>Simplifying with Pythagorean Identities</i>	5.1 <i>Simplifying with Pythagorean Identities</i>	5.2 <i>Proofs</i>	5.2 <i>Proofs (Multiplying by the Conjugate)</i>	
	3/2 8:50 Late Start	3/3	3/4	3/5	3/6
9	5.2 <i>Practice</i>	5.1 <i>Solving Trig Equations</i>	Review	Review	5.1-5.2 Quiz
	3/9 8:50 Late Start	3/10	3/11	3/12	3/13
10	5.3 <i>Sum / Difference Identities (Sin, Cos)</i>	5.3/5.4 <i>Sum / Difference Identities (Tan)</i>	5.4 <i>Double-Angle Identities</i>	Practice	Review
Week	Monday	Tuesday	Wednesday	Thursday	Friday

11	3/16	3/17	3/18 (FLD)	3/19	3/20
	Ch. 5 Test	Review	Review	2 nd Semester Midterm	Section 6.1 Intro to Vectors
12	3/23 8:50 Late Start	3/24	3/25	3/26	3/27 early dismissal 11:30
	Section 6.1 Vectors, Magnitude and Direction Angle	Section 6.1 Applications of Vectors	Section 6.1 Vectors using Law of Sines & Cosines	Mini Quiz on Vectors?	Flex day
13	4/6	4/7	4/8	4/9	4/10
	Section 6.3 Parametric Equations	Section 6.3 Applications	Section 6.3 Practice	Review 6.1, 6.3	No School
14	4/13	4/14 TESTING	4/15 TESTING	4/16	4/17 ethnic fair assembly
	Quiz 6.1, 6.3	REMOTE LEARNING DAYS		Section 6.4 Polar Coordinates	Section 6.4 Converting Polar, Rectangular Coords
15	4/20 8:50 Late Start	4/21	4/22	4/23	4/24
	Section 6.5 Circles, Cardioids	Section 6.5 Roses	Section 6.5 Limacons	Section 6.5 Practice	Review Ch. 6
16	4/27 8:50 Late Start	4/28	4/29	4/30	5/1 (prom weekend)
	Chapter 6 Test	Circles	Ellipses	Ellipses	Circles & Ellipses Quiz
17	5/4 Week 1 AP testing	5/5	5/6	5/7	5/8
	Hyperbolas	Hyperbolas	Parabolas	Parabolas	Review
18	5/11 Week 2 AP testing	5/12	5/13	5/14	5/15
	Hyperbolas & Parabolas Quiz	Review	Review	Conics Test	Conics Project? Flex Day
19	5/18	5/19	5/20	5/21 Graduation	5/22
	Conics Project? Or Flex Day	Conics Project? Or Flex Day	Conics Project? Or Flex Day	Finals Review	Finals Review
20	5/25	5/26	5/27	5/28	5/29
	Memorial Day	Finals	Finals	Finals	

Precalculus

Chapter P-Prerequisites

Monday	Tuesday	Wednesday	Thursday	Friday
		<p>August 14th</p> <p>Welcome Back!</p> <p>P.1 <i>Real Numbers</i></p> <p><u>Text:</u> p. 9) #6-30(even)</p>	<p>August 15th</p> <p>P.5 <i>Solving Algebraic Equations</i> Finding intersection points, factoring and quadratic formula</p> <p><u>Text:</u> p. 46) #1, 3 - 5, 19-23 odd, 30-34 even,</p>	<p>August 16th</p> <p>P.5 <i>Solving Algebraic Equations</i> Taking square roots and completing the square</p> <p><u>Text:</u> p. 46) 12-14, 40- 44 even, 47- 49</p>
<p>August 19th Late Start</p> <p>P.7 <i>Solving Inequalities</i> <i>Algebraically</i></p> <p><u>Text:</u> p. 58) #1-7 odd, 9, 10, 12, 14-16</p>	<p>August 20th</p> <p>P.7 <i>Solving Inequalities</i> <i>Graphically</i></p> <p><u>Text:</u> p. 58) #17-19, 21, 24, 25, 27, 30, 42, 43</p>	<p>August 21st</p> <p>Review</p> <p><u>Text:</u> Pg. 60-61 #5, 40, 41, 43, 44, 46, 53, 57,58, 62(no calc), 67(use calc!)</p>	<p>August 22nd</p> <p>Quiz <i>P.1, P.5, P.7</i></p>  <p>Online: Assignment #1 Due Tomorrow!!</p>	

Remember – Exercises from the textbook with a gray background are non-calculator!

****Schedule is subject to change.****


*****If you are absent it is up to you to show me the missing work for credit!!! I will not remind you!*****

Precalculus
 Ms. Rogala
 Chapter 1: Functions, Graphs and Limits



Monday	Tuesday	Wednesday	Thursday	Friday
				August 23 1.2 Day 1 <i>Functions & Domain</i> <u>Text:</u> pg. 94 #1-16
August 26 1.2 Day 2 <i>Range, Continuity, Increasing & Decreasing</i> <u>Text:</u> Pg. 94 # 17-20, 21-24, 29-34, 75, 76	August 27 1.2 Day 3 <i>Boundedness, Max/Min, Even/Odd/Neither</i> <u>Text:</u> Pg. 94 # 25-28, 35-46, 47-53 (Odd)	August 28 1.2 Day 4 <i>Vertical & Horizontal Asymptotes</i> <u>Text:</u> Pg. 94 #55-58 Pg. 153 #15-17,26,27, 30,31,34,37	August 29 1.2 Mini Quiz Start 1.3 Piecewise Functions <u>Text:</u> Pg. 107 #45, 46, 48, 51, 60, 61, 63	August 30 No School for Students!
September 2 NO SCHOOL! Labor Day	September 3 11.3 Introduction to Limits Day 1 HW Worksheet	September 4 11.3 Introduction to Limits Day 2 <u>Text:</u> Pg. 781 #1,3,7,11,15,22,23	September 5 11.3 Introduction to Limits Day 3 <u>Text:</u> Pg. 781 #27-30,31,35	September 6 11.3 Introduction to Limits Day 4 HW Worksheet
September 9 Review <u>HW:</u> Review Worksheet	September 10 1.2-11.3 Quiz 	September 11 Flexible Learning Day <i>11 Basic Functions</i> <u>Text:</u> Pg. 106 #1-24 (skip #7)	September 12 1.4 Day 1 <i>Function Composition</i> <u>Text:</u> Pg. 116 # 1, 3, 11-21 (odd)	September 13 1.4 Day 2 <i>Function Decomposition</i> <u>Text:</u> Pg. 117 #23-30
September 16 Late Start 1.5 <i>Inverse Functions</i> <u>Text:</u> pg. 126 #9-23(odd), 26, 27, 29, 31	September 17 1.6 <i>Transformations</i> <u>Text:</u> Pg. 136 #5, 7, 10, 14, 22, 26, 45, 48, 50, 52	September 18 1.4-1.6 Review <u>Text:</u> Pg. 153-154 #41-50, 53, 54	September 19 1.4 - 1.6 Quiz 	September 20 Assembly Chapter 1 Review
September 23 Late Start Chapter 1 Review	September 24 Chapter 1 Test 	September 25	September 26	September 27

Precalculus
 Ms. Rogala
 Chapter 2 (Polynomials and Rational Functions)

Monday	Tuesday	Wednesday	Thursday	Friday
			September 26 Section 2.1 <i>Polynomials, Quadratics</i> <u>Text: p. 169) #1-5 odd, 13-18, 19, 24, 29, 33, 41 43</u>	September 27 Section 2.1 <i>Linear Functions, Applications</i> <u>Text: p. 169) #7,11,51, 52, 54, 61ab, 62</u>
September 30 Section 2.3 <i>Key Features of Graphs (Even/Odd, Multiplicity)</i> <u>Text: p. 193) #17, 19, 25-32, 33, 37</u> Work on 2.1-2.5 Online HW	October 1 Section 2.3 <i>Key Features of Graphs Division of Poly's</i> <u>Text: p. 193) #39-42, 54, 55, 71-73</u> Work on 2.1-2.5 Online HW	October 2 Flexible Learning Day Section 2.4 <i>Division of Poly's</i> <u>Text: p. 205) #1-3, 7-9, 13-15, 19-21</u> Work on 2.1-2.5 Online HW	October 3 Section 2.4 <i>Factoring Polynomials</i> <u>Text: p. 205) #11, 50-54(even), 63-67</u> Work on 2.1-2.5 Online HW	October 4 Section P6 <i>Complex Numbers</i> <u>Text: p. 52 # 4-20(even) 29-32</u> Work on 2.1-2.5 Online HW
October 7 Section 2.5 <i>Fund. Thm. of Alg. Linear Fact. Thm.</i> p. 215 # 1, 2, 5, 6, 9, 10, 12, 15, 17-20, 21, 23, 25 Work on 2.1-2.5 Online HW	October 8 Section 2.5 <i>Factor Poly's (real and complex zeros)</i> p. 215 # 27, 29, 37, 39, 41, 53, 54, 56-58 Work on 2.1-2.5 Online HW	October 9 **2.1-2.5 Online HW Due at 8AM** Review Study Guide	October 10 Review Study Guide	October 11 2.1-2.5 Quest  **HW Free Weekend for Seniors**
October 14 NO SCHOOL! 				

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**Schedule is subject to change

***If you are absent, it is your responsibility to show me missing work for credit!

Precalculus
Chapter 2 (Polynomials and Rational Functions) Part 2



Monday	Tuesday	Wednesday	Thursday	Friday
<p>No School! ☺</p>	<p>October 15 Section 2.6 <i>Graphs of Rational Functions</i> <u>Text:</u> p. 225 #1-27 (odd) (skip 7 & 9), 31-36</p>	<p>October 16 Juniors PSAT Testing</p>	<p>October 17 Section 2.6 <i>Graphs of Rational Functions</i> Worksheet</p>	<p>October 18 Section 2.6 <i>Slant Asymptotes</i> <u>Text:</u> p. 225 #29, 37-43(odd), 44</p>
<p>October 21 Section 2.7 <i>Solving Rational Equations</i> <u>Text:</u> p. 232 #1-13 (Skip #7-10)</p>	<p>October 22 Section 2.7/start 2.8 <i>Solving Rational Equations</i> <u>Text:</u> p. 232 #15-17, 27 and Pg. 242 #1-9(odd), 13, 19</p>	<p>October 23 <i>Flex Learning Day</i> Section 2.8 <i>Solving Inequalities</i> <u>Text:</u> Worksheet</p>	<p>October 24 Section 2.8 <i>Continue Solving Inequalities</i> <u>HW:</u> Pg. 243 #25-39 (odd)</p>	<p>October 25 PT Conferences </p>
<p>October 28 <i>Late Start</i> Section 2.8 <i>Applications</i> <u>HW:</u> Worksheet</p>	<p>October 29 Review 2.5-2.8 Worksheet</p>	<p>October 30 Review 2.5-2.8 Worksheet</p>	<p>October 31 Quest 2.5-2.8 </p>	<p>November 1 Midterm Review</p>
<p>November 4 <i>Late Start</i> Midterm Review</p>	<p>November 5 Midterm Exam </p>	<p>November 6</p>	<p>November 7</p>	



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Precalculus

Chapter 3: Exponentials Logarithms, and Logistics

Monday	Tuesday	Wednesday	Thursday	Friday
		November 6 Section 3.1 <u>Text:</u> p. 261: 1-13 (odd), 25-33 (odd), 59	November 7 Section 3.1 <u>Text:</u> p. 262 #41-44 (must graph these!), 56, 60	November 8 Section 3.2 <u>Text:</u> p. 263 #54, 66 and p. 270#7-15(odd), 21,22,29,32
November 11 Late Start Section 3.2 <u>Text:</u> p. 270 #8-16 (even), 23-27 (odd), 34, 39, 45	November 12 Section 3.3 <u>Text:</u> p. 281 #2-18 (even), 20-36 (even)	November 13 Section 3.3 <u>Text:</u> p. 281 #1-35 (ever other odd), 37-41, 43, 49, 66-68	November 14 Review 3.1-3.3 Worksheet	November 15 3.1-3.3 Quiz  Work on Online Assignment - Due 11/25 at 8am!
November 18 Late Start Section 3.4 <u>Text:</u> p. 289 #1-21 (odd)	November 19 Parent Participation Day Section 3.4 <u>Text:</u> p. 289 #2-26 (even)	November 20 Section 3.5 <u>Text:</u> p. 301 #1-15 (odd), 26	November 21 Section 3.5 <u>Text:</u> p. 301 #2-16 (even), 34, 36, 38	November 22 Section 3.5 Worksheet and Online assignment due Monday at 8am!!
November 25 **Online Assignment Due today at 8am!!** Review Review Worksheet	November 26 Ch. 3 Test 	November 21 (No School) THANKSGIVING BREAK <hr/>	November 22 (No School) THANKSGIVING BREAK	November 23 (No School) THANKSGIVING BREAK

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**Schedule is subject to change

***If you are absent, it is your responsibility to show me missing work for credit!

Precalculus

Ms. Rogala

Chapter 9.1: Permutations and Combinations






Monday	Tuesday	Wednesday	Thursday	Friday
		December 5 Section 9.1 p. 641 #1,4,5, 8, 10,13, 14, 23, 25, 42	December 6 Section 9.1 p. 641: #11, 15, 16, 24, 26, 35, 45, 46	December 7 Section 9.1 p. 641 #6, 12, 17-22, 27-29, 31, 32
December 10 Late Start Section 9.1 Worksheet	December 11 Holiday Concert Review Worksheet	December 12 Review Worksheet	December 13 9.1 Quiz  Finals Review Packet	December 14 Review for Finals
December 17 Review for Finals	December 18 Review for Finals	December 19 Finals 1 st Hour 4/5/6 Hour 2 nd Hour	December 20 Finals 3 rd Hour 6/7/8 Hour 9 th Hour	December 21 Finals 10 th Hour/ Make-ups

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**Schedule is subject to change

***If you are absent, it is your responsibility to show me missing work for credit!

Precalculus
 Ms. Rogala
 Ch. 4, 5.5-5.6 (Trig)





Monday	Tuesday	Wednesday	Thursday	Friday
January 21 No School! 	January 22 4.1 <i>Angles, Bearings</i> p. 325: 9-12, 18-24(even), 39-42, 48, 49, 58, 59	January 23 <i>Chris Herron Presentation</i> 4.2 <i>Right Triangle Trig</i> p. 335: 19-27 odd, 35-39 odd, 42, 44, 57, 58, 61	January 24 4.3 <i>Coterminal Angles, Circular Functions</i> p. 347: 1, 3, 11, 17, 19, 23, 24, 25-35 (odd)	January 25 4.3 <i>Unit Circle</i> p. 347: 8, 13, 15, 16, 28, 32, 36, 40, 49, 48, 61, 66
January 28 Snow Day	January 29 4.5 <i>Solving Trig Equations</i> p. 366: 30-32, 36, 37, 40	January 30 Cold Day	January 31 Cold Day	February 1 4.7 <i>Inverse Trig</i> p. 385: 3-6, 13, 15, 16, 19, 20, 23-27
February 4 4.7 <i>Inverse Trig</i> p. 385: 9-12, 14, 17, 18, 28-32, 59, 60, 61	February 5 Review <i>Ch. 4</i> Worksheet	February 6 Quiz <i>Ch. 4 Quiz</i> 	February 7 5.5 <i>Law of Sines</i> p. 439: 1, 4, 5, 8, 38, 45	February 8 Pep Assembly 5.5 <i>Law of Sines (Ambiguous Case)</i> p. 439: 7, 17, 18, 27, 31, 33, 35, 40, 43
February 11 5.5 <i>(Ambiguous Case) Practice Day</i>	February 12 5.6 <i>Law of Cosines</i> p. 448: 1, 3, 6, 9, 35, 38	February 13 5.6 <i>Law of Cosines, Ambiguous Case, Area</i> p. 448: 13-15, 17, 20, 21, 24	February 14 5.6 <i>Choosing a Method</i> Worksheet	February 15 Review Worksheet
February 18 No School! 	February 19 Review Worksheet	February 20 Test <i>Ch. 4, 5.5, 5.6</i> 		

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**Schedule is subject to change

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Precalculus
 Ms. Rogala
 Chapter 5 (Trig Identities)

Monday	Tuesday	Wednesday	Thursday	Friday
			February 21 Appendix A <i>Simplifying Fractions, Solving Equations</i> p. 812: 20-24 even, 34-40 even	February 22 Appendix A <i>Adding/Subtracting, Compound Fractions</i> p. 812: 52-66 even
February 25 5.1 <i>Simplifying with Pythagorean Identities</i> p. 410: 9, 10, 12-14, 18, 20, 21	February 26 5.1 <i>Simplifying with Pythagorean Identities</i> p. 410: 24-33 (omit 28), 35, 37	February 27 5.2 <i>Proofs</i> p. 418: 5-15 (omit 8)	February 28 5.2 <i>Proofs (Multiplying by the Conjugate)</i> p. 418: 16-26	March 1 Institute Day! 
March 4 5.2 <i>Practice</i> p. 418: 27-36	March 5 5.1 <i>Solving Trig Equations</i> p. 411: 51-62	March 6 Review 5.1-5.2 <i>Worksheet</i>	March 7 Review 5.1-5.2 <i>Worksheet</i>	March 8 Quiz 5.1-5.2 
March 11 5.3 <i>Sum / Difference Identities (Sin, Cos)</i> p. 425: 1, 3, 4-6, 9-12, 23-25, 47, 48	March 12 5.3/5.4 <i>Sum / Difference Identities (Tan)</i> p. 425: 2, 8, 50, 51, 54 p. 432: 2, 4, 12,	March 13 5.4 <i>Double-Angle,</i> p. 432: 6, 8, 10, 15, 16, 18-20, 24	March 14 Practice Day <i>Worksheet</i>	March 15 <i>End of 3rd Qtr</i> Review <i>Chapter 5</i> <i>Worksheet</i>
March 18 Test <i>Chapter 5</i> 	March 19 Q3 Review <i>Study Guide (Odds)</i>	March 20 Q3 Review <i>Study Guide (Evens)</i>	March 21 Q3 Cumulative Exam 	

*Exercises from the textbook with a gray background are non-calculator




**Schedule is subject to change

***If you are absent it is up to you to show me the missing work for credit!

Precalculus

Ms. Rogala

Chapter 6 (Polars, Vectors, and Parametrics)




Monday	Tuesday	Wednesday	Thursday	Friday
<p>April 1 Late Start Section 6.1 <i>Intro to Vectors</i></p> <p>p. 464: 4, 5, 8, 11, 12, 17, 18, 20</p>	<p>April 2</p> <p>Section 6.1 <i>Vectors, Magnitude and Direction Angle</i></p> <p>p. 464: 29-34, 41, 42, 45</p>	<p>April 3</p> <p>Section 6.1 <i>Applications of Vectors</i></p> <p>Pg. 465) #43, 44 Pg. 514) #1, 2, 9</p>	<p>April 4</p> <p>Section 6.1 <i>Vectors using Law of Sines & Cosines</i></p> <p>TBD</p>	<p>April 5</p> <p>Section 6.3 <i>Parametric Equations</i></p> <p>p. 482: 6-16 even, 23, 24</p>
<p>April 8</p> <p>Section 6.3 <i>Writing Parametric Equations</i></p> <p>p. 482: 27-32, 37, 38, 40</p>	<p>April 9</p> <p>SAT/PSAT Testing Remote Learning Days</p> <p><i>Section 6.1, 6.3: Activity TBD</i></p>		<p>April 11</p> <p>Section 6.3 <i>Applications</i></p> <p>p. 482: 43-45, 47, 50</p>	<p>April 12</p> <p>Section 6.3 <i>Practice</i></p> <p>Worksheet</p>
<p>April 15</p> <p>Review 6.1, 6.3</p> <p>Worksheet</p>	<p>April 16</p> <p>Quiz 6.1, 6.3</p> 	<p>April 17</p> <p>Section 6.4 <i>Polar Coordinates</i></p> <p>p. 492: 1, 4, 7, 8, 13, 16, 19, 23, 26, 27, 30</p>	<p>April 18</p> <p>Section 6.4 <i>Converting Polar, Rectangular Coords</i></p> <p>p. 492: 2, 3, 24, 25, 28, 29</p>	<p>April 19</p> 
<p>April 22 Late Start</p> <p>Section 6.5 <i>Circles, Cardioids</i></p> <p>WS Circles and Cardioids</p>	<p>April 23</p> <p>Section 6.5 <i>Roses</i></p> <p>WS Roses</p>	<p>April 24</p> <p>Section 6.5 <i>Limacons</i></p> <p>WS Limacons and More</p>	<p>April 25</p> <p>Section 6.5 <i>Practice</i></p> <p>Review WS</p>	<p>April 26</p> <p>Review Ch. 6</p> <p>Study Guide</p>
<p>April 29 Late Start</p> <p>Chapter 6 Test</p> 				

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Precalculus
Ms. Rogala
Conics

Monday	Tuesday	Wednesday	Thursday	Friday
	April 30 Circles Circles WS	May 1 Ellipses Ellipses Day 1 WS	May 2 Ellipses Ellipses Day 2 WS	May 3 Circles & Ellipses Quiz 
May 6 Hyperbolas Hyperbolas Day 1 WS	May 7 Hyperbolas Hyperbolas Day 2 WS	May 8 Parabolas Parabolas Day 1 WS	May 9 Parabolas Parabolas Day 1 WS	May 10 Review Hyperbolas & Parabolas Review
May 13 Hyperbolas & Parabolas Quiz 	May 14 Review Study Guide (Odds)	May 15 Review Study Guide (Evens)	May 16 Conics Test 	May 17 Conics Project
May 20 Conics Project	May 21 Conics Project			

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