







## Chapter 8: Right Triangles and Trigonometry

Monday	Tuesday	Wednesday	Thursday	Friday
		<b>Feb. 15<sup>th</sup></b> <b>Chapter 7 Test</b>  <b>Homework:</b> Watch Playposit Video by the start of class on Thursday 2/16☺	<b>Feb. 16<sup>th</sup></b> Section 5.7 The Pythagorean Theorem  <b>Homework:</b> Page 364 #2-4, 9, 10, 16, 23, 30, 32, 38, 40, 51	<b>Feb. 17<sup>th</sup></b> Section 5.7 The Pythagorean Theorem  <b>Homework:</b> Worksheet
<b>Feb. 20<sup>th</sup></b> <b>NO SCHOOL!</b>  <b>PRESIDENT'S DAY</b>	<b>Feb. 21<sup>st</sup></b> Discovery of 5.8  <b>Homework:</b> Worksheet & Page 372-3 # 1-3, 10, 19	<b>Feb. 22<sup>nd</sup></b> Section 5.8  <b>Homework:</b> Page 381 #47-62	<b>Feb. 23<sup>rd</sup></b> Section 5.8 and Review  <b>Homework:</b> Worksheet	<b>Feb. 24<sup>th</sup></b> <b>5.7-5.8 QUIZ</b>  <b>Homework:</b> Worksheet
<b>Feb. 27<sup>th</sup></b> Section 8.2  <b>Homework:</b> Pg. 545 #3-17(odd), 18-21, 43, 48, 49	<b>Feb. 28<sup>th</sup></b> Section 8.2  <b>Homework:</b> Worksheet	<b>Mar. 1<sup>st</sup></b> Section 8.3  <b>Homework:</b> Pg. 555 #1, 13-14, 39, 41, 43, 48, 54, 56, 62, 69	<b>Mar. 2<sup>nd</sup></b> Section 8.3  <b>Homework:</b> Pg. 561 #8-20	<b>Mar. 3<sup>rd</sup></b> <b>NO SCHOOL!</b>  <b>TEACHER INSTITUTE DAY</b>
<b>Mar. 6<sup>th</sup></b> <b>Late Start</b> Section 8.4  <b>Homework:</b> Pg. 565 #1-6, 8-9, 15, 17-19, 21-25	<b>March 7<sup>th</sup></b> Section 8.4  <b>Homework:</b> Study Guide	<b>March 8<sup>th</sup></b> Review  <b>Homework:</b> Study Guide	<b>March 9<sup>th</sup></b> <b>CHAPTER 8 TEST</b>  <b>Homework:</b> Study Guide for Cumulative	<b>March 10<sup>th</sup></b> Review for Cumulative  <b>Homework:</b> Study Guide for Cumulative
<b>Mar. 13<sup>th</sup></b> Late Start/ Winter Assembly Review <b>Homework:</b> Study for Exam	<b>Mar. 14<sup>th</sup></b> <b>QUARTER 3 CUMULATIVE EXAM</b> 			

**\*\*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!\*\*\***

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Extra HELP - Room 102

Before the test, complete column three by:

- ✗ Circling the descriptor that best describes how you feel about your mastery of each objective.
  - ☺ = I know I can correctly teach this topic to another student if asked.
  - ☹ = I know the topic and can work through the problem but am unsure whether I am correct.
  - ☹ = I do not know how to start or complete the problem. I need to ask for help!
- ✗ Note: IF IT IS NOT A ☺, YOU PROBABLY ARE NOT READY FOR THE QUIZ/TEST!!!!!!

Learning Target	Example	Self-Assessment
<b>Section 5.7 – The Pythagorean Theorem</b>		
a) Use the Pythagorean Theorem and its converse to solve problems	Pg 364#2-5	☺ ☹ ☹
b) Identify and use Pythagorean triples to find a side of a triangle	Pg 364 #6-8	☺ ☹ ☹
c) Use the Pythagorean Inequality Theorem to classify triangles	Pg 364 #9-14	☺ ☹ ☹
<b>Section 5.8 – Applying Special Right Triangles</b>		
a) Find side lengths of a $45^\circ - 45^\circ - 90^\circ$ triangle	Pg 372 #1-3	☺ ☹ ☹
b) Find side lengths of a $30^\circ - 60^\circ - 90^\circ$ triangle	Pg 372 #5-7	☺ ☹ ☹
<b>Section 8.2 – Trigonometric Ratios</b>		
a) Write trigonometric ratios for a right triangle	Pg 545 #3-5	☺ ☹ ☹
b) Use a calculator to find decimal trigonometric ratio	Pg 545 #12-15	☺ ☹ ☹
c) Use trig ratios to find side lengths of a right triangle	Pg 545 #18-20	☺ ☹ ☹
<b>Section 8.3 – Solving Right Triangles</b>		
a) Use a calculator to find an angle measure, given a trigonometric ratio	Pg 555 #7-12	☺ ☹ ☹
b) Solve a right triangle by finding all sides and angle measures	Pg 555 #13-15	☺ ☹ ☹
<b>Section 8.4 – Angles of Elevation and Depression</b>		
a) Identify the angle of elevation and depression	Pg 565 #3-6	☺ ☹ ☹
b) Solve real world problems using trigonometry	Pg 565 #7-9	☺ ☹ ☹

After the test, complete the last column before answering the questions below.

- 1) How long did you study for the test? ☺ ☹ ☹
  
- 2) If you reached your goal that you set for yourself, what helped you do so? ☺ ☹ ☹  
If you did not reach your goal, why not?
  
- 3) What concepts do you still need extra practice on in order to understand them better? ☺ ☹ ☹