PLEASE READ ALL DIRECTIONS CAREFULLY!!

Today you will begin/complete a module, but first a few computer lab norms:

1) NO FOOD OR DRINK IN THE LAB
2) NO CELL PHONES – ZERO TOLERANCE!
3) NO MUSIC WEBSITES OF ANY SORT
4) DO NOT TOUCH ANYTHING BESIDES THE COMPUTER STATION YOU ARE USING
5) NO LOUD TALKING
6) BE MINDFUL OF POWER CORDS

How will I be graded today?

- **Participation (following directions, watching module videos, etc.) = 50 points**

- **Completing the module packet = 50 points**

You can receive point deductions for:

- **ANY usage of cell phones**

- **Visiting websites unrelated to today's task**

- **Not following directions**

7-3 Similar Triangles (Pg.474)

ONLINE MODULE

Wednesday, March 1, 2017

TARGETS

- Identify similar triangles using the AA Similarity Postulate and the SSS and SAS Similarity Theorems.

- Use similar triangles to solve problems.

Note: You can access pages 474-478 under the textbook section of the class website

CCSS

Content Standards

G-SRT.2 Given two figures, use the definition of similarity in terms of similarity transformations to decide if they are similar; explain using similarity transformations the meaning of similarity for triangles as the equality of all corresponding pairs of angles and the proportionality of all corresponding parts.

G-SRT.3 Use the properties of similarity transformations to establish AA criterion for two triangles to be similar.

G-SRT.4 Prove theorems about triangles.

G-SRT.5 Use congruence and similarity criteria for triangles to solve problems and to prove relationships in geometric figures.

Mathematical Practices

1 Make sense of problems and persevere in solving them.

2 Reason abstractly and quantitatively.

5 Use appropriate tools strategically.

6 Attend to precision.

8 Look for and express regularity in repeated reasoning.

Essential Question:

What makes similar triangles?

Completing the Module

Step 1) Click on the links below to watch the following videos in their entirety.

***Similar Triangle Proofs**

***Finding the Missing Side of Two Similar Triangles**

***Similar Triangles – Two Unknowns**

***Scale Factors**

PROCEED TO THE NEXT SLIDE

Completing the Module

Step 2) Click on the links below to interact with the online manipulatives. Follow the on-screen directions.

*Similarity and Dilations

*What Makes Similar Triangles?
Disregard the directions calling for a worksheet. Your only task here is to move the points below and observe the behavior of the sides and angles of the triangles.

1. **A**(-3, 6), **B**(0, 0), **C**(9, 9); **D**(1, 4), **E**(5, 5), **F**(2, 2)
2. **A**(-6, -3), **B**(3, 3), **C**(3, -3); **D**(-4, -2), **E**(2, 2), **F**(2, -2)
3. **A**(-3, -4), **B**(3, 4), **C**(-3, -2); **D**(-2, 3), **E**(0, 3), **F**(-2, 1)

Step 3) Complete the **Online Module Packet (go back to the class website)** once you have finished viewing all videos. Show all work **ON YOUR OWN PAPER**; hand in completed packets.

Closure

Unfinished packets become homework, due Thursday, 03/02/2017.

BE READY FOR A QUIZ ON FRIDAY

1) Check your work area before you leave.

2) Close all computer programs, but do log off.

3) Return all calculators.

4) Take your personal belongings.

HAVE A GREAT DAY!