Discussion Questions for Chapter 7

Due: 6/19/17 at 4:00PM

Instructions: Your answers to the following questions do not need to be lengthy or written in complete sentences, but should reflect preparation for our discussion about Chapter 7 at the beginning of class.

Questions:

1. What is the difference between a ratio and a proportion?

2. When writing a proportion to solve an application, how can you make sure that you have written the proportion correctly?

3. How are the definitions of congruent and similar polygons alike? How are they different?

4. What is the scale factor between two congruent polygons?

5. Some geometry textbooks use an AAA Similarity Postulate, rather than the AA Similarity Postulate, and then call the AA condition a corollary. Why is that approach equivalent to just using the AA Postulate, as in your textbook?

6. What is the difference between the SSS Congruence Theorem and the SSS Similarity Postulate?

7. Given two numbers, how can you calculate their arithmetic mean (average)? How do you calculate their geometric mean?

Muddiest Point:

What questions do you have about the notes you took in Chapter 7, or anything from this week?

MML Homework Questions:

Are there any MML homework problems from Chapter 7 that you would like to discuss?