

Miss Wiltjer's Newsletter

Geometry

THIS MONTH

In Geometry, students were learning how to prove triangles congruent. We jumped into the second quarter with proofs picking up right where we left off last quarter.



Many students were capable of writing proofs that are starting to flow much more logically and consistently.

Students learned the basic way to prove triangles congruent by proving all their corresponding parts congruent. Then, they learned the shortcuts: ASA, SSS, SAS, and AAS. At the very end of the month, they learned that there was one key theorem (not included in the book until chapter 5) called HL that also proves triangles congruent. Students came to realize that the definition of congruent triangles could then be used to provide other parts of the triangles congruent by a simple theorem called CPCTC.



Sound like alphabet soup? It is confusing to some of the students, too, but they were able to muscle



through and make sense of it. (Go ahead, ask them what CPCTC means!)

NEXT MONTH

In November, students will learn about interesting segments and “middles” of triangles. This chapter is very interesting and useful, but unfortunately, not the way our textbook presents it. I am using a supplemental text to pull problems and lessons from for this section. If you're wondering why your student hasn't been using their book in this chapter; that's why! Instead, supplemental notes are available on my website throughout the chapter.

Once finished with Chapter 5, students will start proving ideas about Quadrilaterals in chapter 6. We will complete all of Chapter 5 and most of Chapter 6 in November; it is a fast-paced month!

NEW THIS QUARTER

This quarter, students are asked to get their quizzes and tests signed by you after they are graded. Students who earned a D or an F **must** get your signature on a quiz or a test. Students with an A, B, or C, may elect to do so. All students earn 2 bonus points towards their overall grade when they bring back a signed quiz or test within 1 week of receiving it from me. If a student does not return their signed quiz or test within 1 week, I will be

End of October, 2012

contacting parents by e-mail to alert them to the problem.

This new procedure began with the return of the first quiz from Chapter 4 and will continue throughout the school year.

QUESTION YOUR STUDENT

Checking to see if your student understands key points is important. Here are some questions that will help you verify if they do:

- What is a median of a triangle?
- What is an orthocenter?
- What is the difference between a circumcenter and a centroid?
- What is the difference between ASA congruence and AAS congruence?

WISH TO DONATE?

I am in **great need** of items on this list:

- Fine-tipped Expo/Dry-Erase markers



- Rolls of Butcher Paper



- Colored markers (Crayola) – specifically DARK colors