

Chapter 5 Study Guide

1. Know how to apply the centroid theorem to find missing variables and segment lengths (5.4).
2. Know if a triangle can be constructed given three side lengths (5.5).
3. Describe a possible third side length on a triangle (5.5).
4. Given a diagram, complete the statement using $<$, $>$, or $=$ (5.6).
5. Know how to use the Hinge Theorem and its Converse to compare sides and angles (5.6).
6. Use the Hinge Theorem and its Converse to write an inequality for x (5.6).
7. Know how to write an indirect proof (5.6).
8. Know all the definitions (5.1-5.6).