Chapter 8 Test Tips

1. As always, make yourself a chapter summary sheet.
   a. Similarity Postulates/Theorems: AA~, SAS~, SSS~
   b. Side-Splitter Theorem (and corollary)
   c. Triangle-Angle-Bisector Theorem
   d. Perimeter ratio/area ratio/similarity ratio relationships.
   e. Quadratic formula
2. Review how to determine corresponding parts:
   a. If given a similarity statement, then match up vertices and side letters.
   b. If given all side information, match up by relative size: shortest-shortest, longest-longest, etc.
   c. May need to try several possible proportions to find right pairing.
3. Keep the order consistent when setting up proportions:
   a. If told order of figures (i.e. largest to smallest), then put all sides for the first in the numerator, and all sides for the second in the denominator.
4. Determining similarity:
   a. Look for congruent angles first.
   b. If have congruent angle:
      - look for 2nd congruent angle (AA~)
      - check if sides including the congruent angle are proportional (SAS~)
   c. If have len info for all three sides (SSS~)
5. Review how to write the equation for a line given two points.
6. Review slope-intercept form for linear equations.
7. Read the question, answer the question!