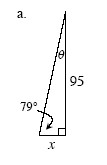
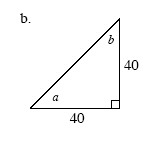
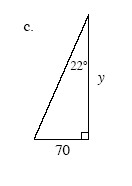
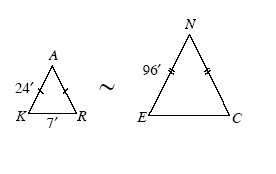
**4-16.** Use your Trig Table from problem 4-15 to help you find the value of each variable below.



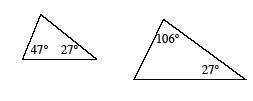
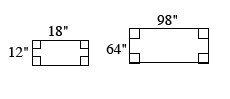
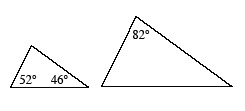




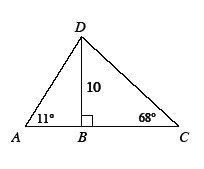
**4-17.** The triangles shown at the right are similar.

1. What is the ratio of side length *NE* to side length *AK*?
2. Use a ratio to compare the perimeters of Δ*ENC* and Δ*KAR*. How is the perimeter ratio related to the side length ratio?
3. If you have not already done so, find the length of http://textbooks.cpm.org/images/answers/gc/GC4.1.2/GC_4.1.2_4-17c_rayEC.gif.

**4-18.** **Examine** each pair of figures below. Are they similar? Explain how you know.

1. 
2. 
3. 

**4-19.** Find the equation of the line with a slope of 1/3that goes through the point (0, 9).

**4-20.** **Examine** the figure at the right, which is not drawn to scale. Which is longer, ABor BC? Explain your answer.