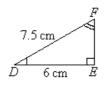
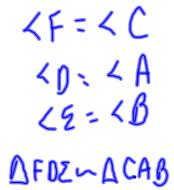
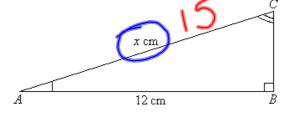


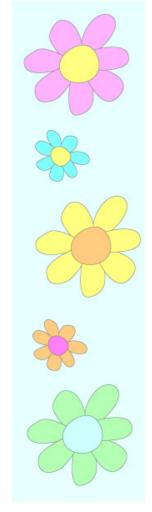
Warm-Up

- 1. Are the triangles similar? How do you know?
- 2. Solve for x



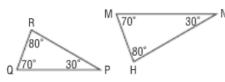


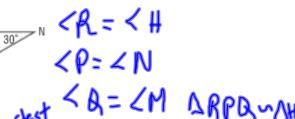




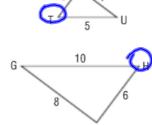
4. Which triangles in each pair are similar? How do you know?

a)



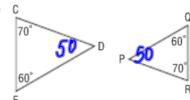


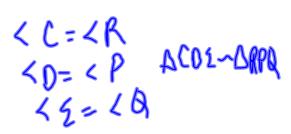
b)



Shortes

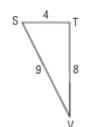
c)





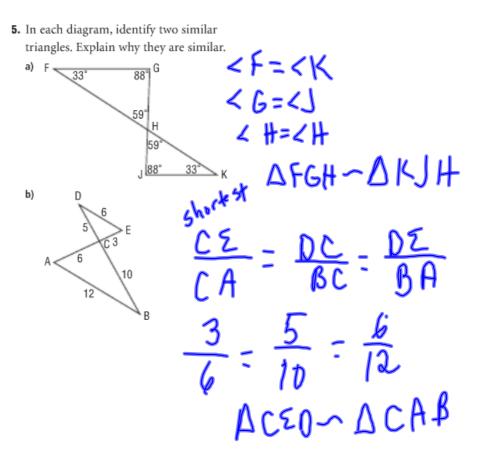
d)

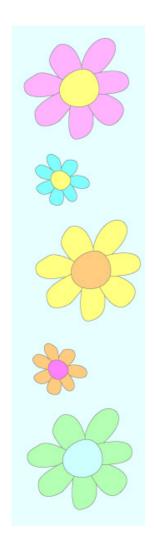




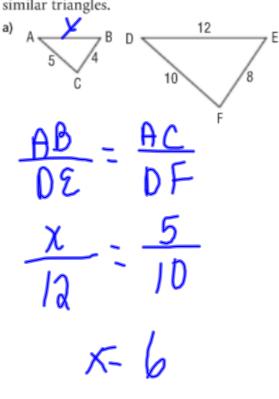
Not

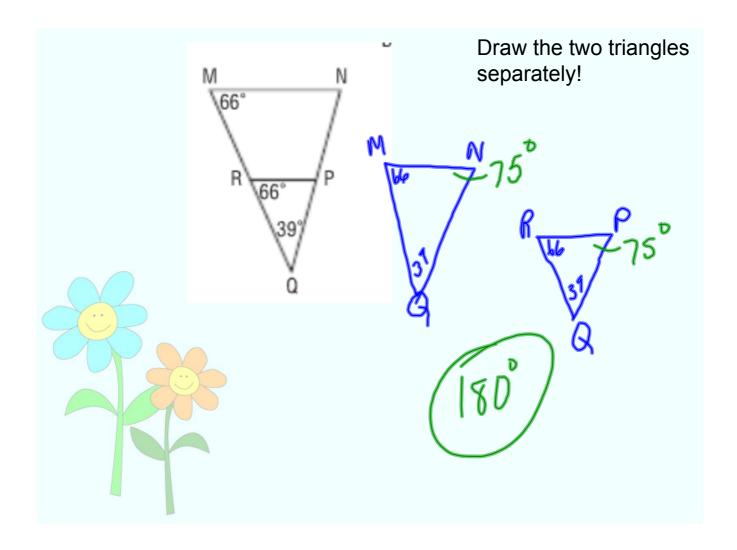




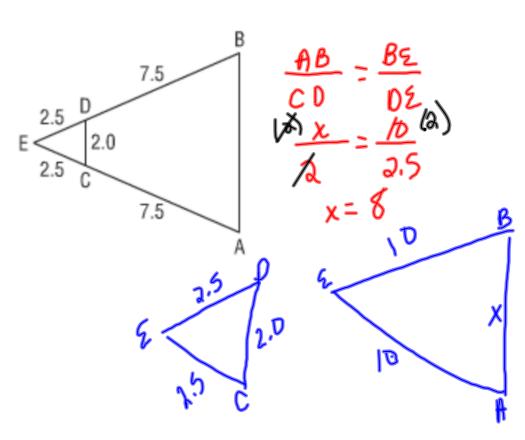


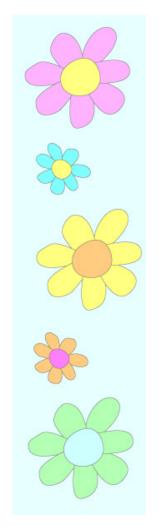
6. Determine the length of AB in each pair of similar triangles.



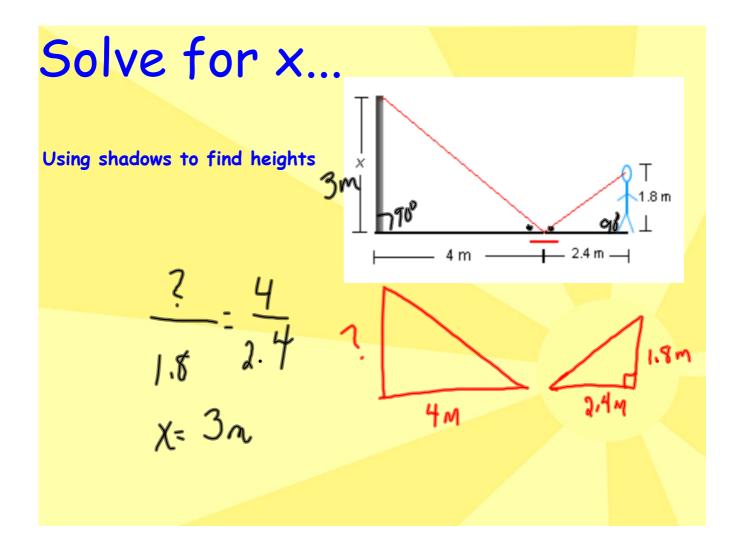




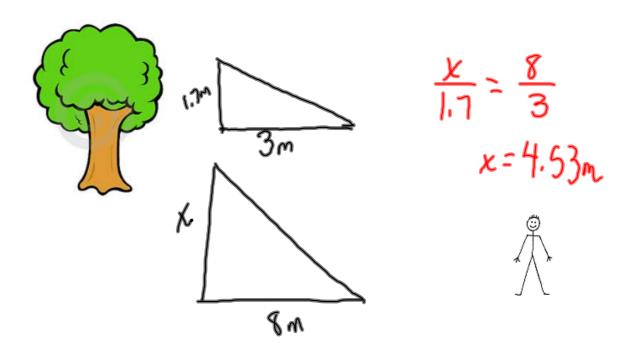


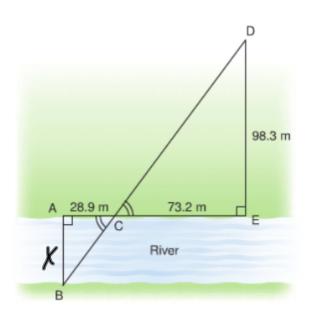


Using Similar Triangles to Solve Problems...



George is 1.7 m tall. His shadow is 3 m long. He is standing beside a tree that has a shadow that is 8 m long. How tall is the tree? Sketch





Find the distance across the river

$$\frac{AB}{ED} = \frac{AC}{EC}$$
 $\frac{x}{98.3} = \frac{28.9}{73.2}$
 $x = 39.81 \text{ M}$



Homework Pg 350, 351

7, 9, 10, 11, 12

Short Quiz on sections 7.1-7.4