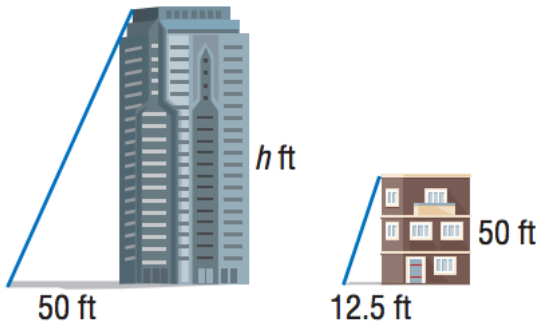# INDIRECT MEASUREMENT

1) How tall is the building? Use a proportion and show your work!
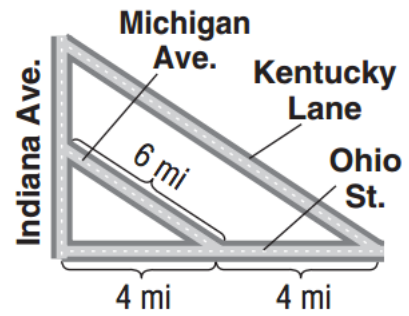

h ft

50 ft

50 ft

12.5 ft

2) How tall is the taller flagpole? Use a proportion and show your work!

h ft

7 ft

6 ft

2 ft
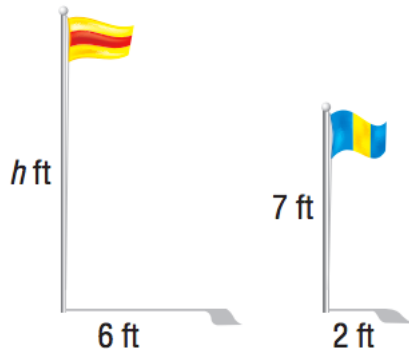
3) How tall is the tree? Show your proportion and your work.

0.45 m

h m

0.3 m

2.2 m
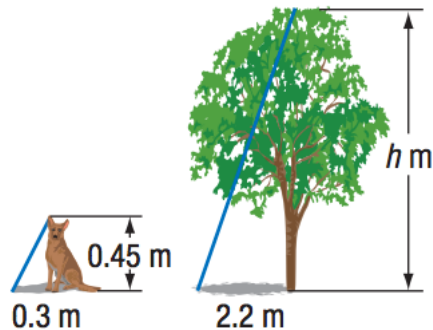
4) Find the length of Kentucky Lane. Show your proportion and your work.

Michigan Ave.

Kentucky Lane

Indiana Ave.

6 mi

Ohio St.

4 mi   4 mi

5) Find the height of the flagpole. Show your proportion and your work.

X

100 Cm

125 Cm

50 Cm
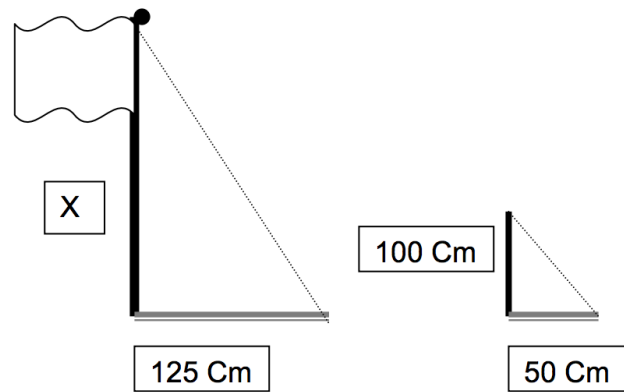
6)   Find the distance from the park to the house. Show your
        proportion and your work.
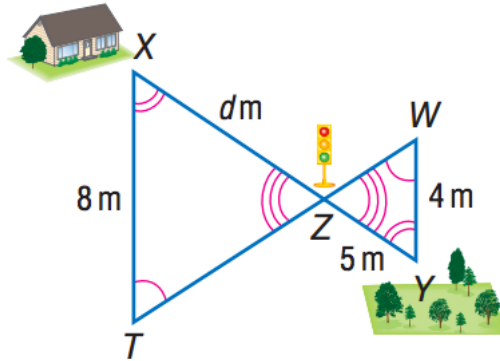
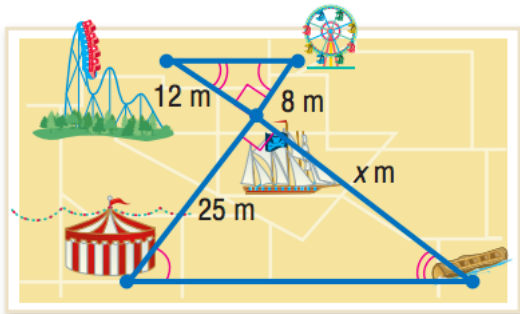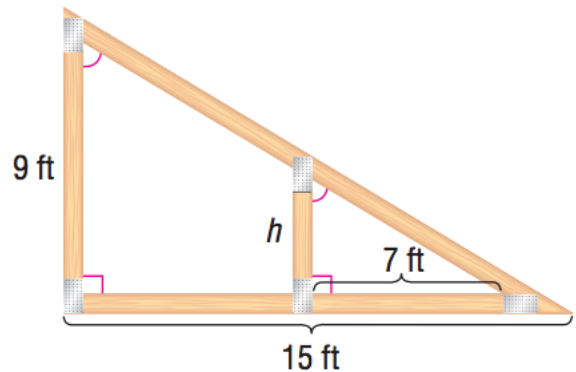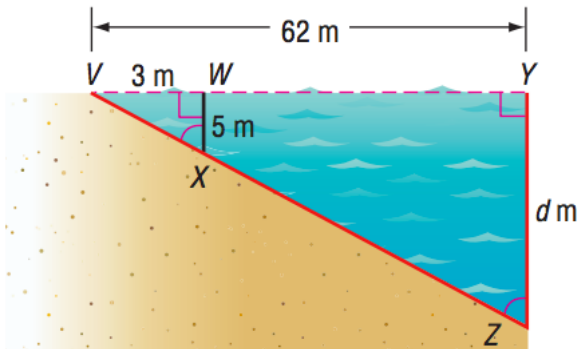7) How far is it from the log ride to the pirate ship? Show your
   proportion and your work.

8)   Find the height of the brace. Show your proportion and your
        work.

9) How deep is the water 62 meters from shore. Show your proportion and your work!

10) The Giant Wheel at Cedar Point in Ohio is one of the tallest ferris wheels in the country at 136 feet tall. If the Giant Wheel casts a 34-foot shadow, write and solve a proportion to find the height of a nearby man who casts a $1\frac{1}{2}$ - foot shadow. You may want to draw a picture, but be sure to show your proportion and all of your work.

11) At 7 feet, 2 inches, Margo Dydek is one of the tallest women to play professional basketball. Her coach, Carolyn Peck, is 6 feet 4 inches tall. If Ms. Peck casts a shadow that is 4 feet long, about how long would Ms. Dydek's shadow be? Round to the nearest tenth. Feel free to draw a picture. Show your proportion and your work.