

**139**

*d* ft

*d* mi

*w* ft

*h* ft

*h* ft

80 yd

100 yd

*p* yd

*d* mi

*For more practice, go to* www.connected.mcgraw-hill.com*.*

**Course 3** • Triangles and Transformations

Huntsville

Gadsden

Birmingham

**7.** **GEOGRAPHY** Suppose Birmingham, Huntsville, and

Gadsden, Alabama, form a right triangle. What is the distance from Huntsville to Gadsden? Round to the nearest tenth if necessary.

**Homework Practice**

***Use The Pythagorean Theorem***

**Open 24/7**

 *w* ft

22 ft

18 ft

**8.** **GEOMETRY** Find the diameter *d* of the circle in the figure

at the right. Round to the nearest tenth if necessary.

61 mi

98 mi

4 ft

13 ft

19 ft

120 ft

21 ft

95 ft

**6.** How high is the end of the

ladder against the building?

**5.** How high is the ramp?

**4.** How wide is the pond?

6 mi

2 ft

1.5 ft

8 mi

**3.** How far above the water is

the person parasailing?

**2.** How long is the wire

supporting the sign?

**1.** How far is the ship from

the lighthouse?

**Write an equation that can be used to answer the question. Then**

**solve. Round to the nearest tenth if necessary.**

 DATE PERIOD

NAME \_\_\_\_\_\_