**Homework Practice**

***Use The Pythagorean Theorem***

**Write an equation that can be used to answer the question. Then solve. Round to the nearest tenth if necessary.**

**1.**  How far is the ship from **2.**  How long is the wire **3.**  How far above the water is the
the lighthouse? supporting the sign? the person parasailing?



**4.**  How wide is the pond? **5.**  How high is the ramp? **6.**  How high is the end of the ladder against the building?





**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.

**8.**  **GEOMETRY** Find the diameter *d* of the circle in the figure at the right. Round to the nearest tenth if necessary.