***HW 8.2d: Real-Life 2-D/3-D Pythagorean Theorem HW Practice***

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

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| 1. How far is the wire supporting the sign?

 | 1. How far above the water is the person parasailing?

 | 1. Find the **RADIUS** of the circle

 |
| 1. How long is each rafter?

 | 1. How MUCH FURTHER is it to travel from Birmingham to Huntsville & make a pit stop in Gadsden, then just to travel directly to Huntsville from Birmingham?

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| 1. Use the information to answer parts a + b.Kenneth wants to wrap a collapsible finish rod the box shown. w in
2. In
 | 1. Find the length (x) of the fishing rod.
 | b.) Find the width (w) of the box,  |