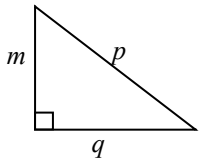Name _____   Date _____

The Pythagorean Theorem

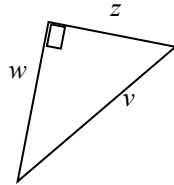*Include proper units with your answers. Round to match the measures given.*

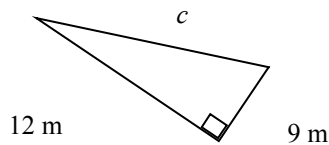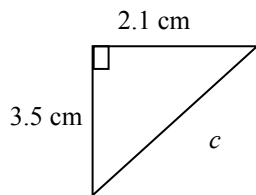**1.** Which side of each triangle is the hypotenuse?

a)

b)

2. Calculate the length of the hypotenuse of each triangle.
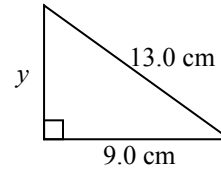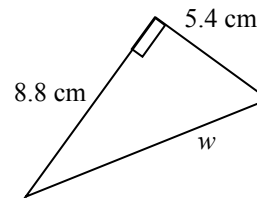
a)

b)

3. Calculate the length of the unknown side in each triangle.

a)

b)

4. Melita takes a shortcut to school by walking across a rectangular field diagonally. The field measures 120 m by 160 m. What distance does Melita save?

5. A rope that is 12 units long can be used to construct a right triangle. Explain why this is true.