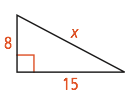
**Objective:**

**Do Now:**

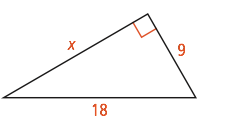
1. What is the Pythagorean theorem?
2. List three side lengths that cannot form a triangle \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Practice**

1. Use ***Pythagorean Theorem*** to find the value of ***x.* Round** to the **nearest tenth**.



1. Use ***Pythagorean Theorem*** to find the value of ***x.* Round** to the **nearest tenth**.



1. List three **different** sets of Pythagorean triples

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

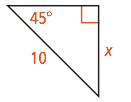
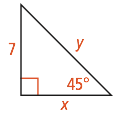
1. Decide whether the side lengths form an Obtuse Triangle, Acute Triangle, Right Triangle, No Triangle:

10, 24, 26

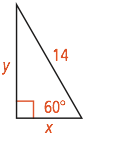
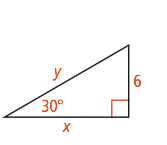
9, 24, 31

2, 3, 1

1. Find the lengths of x and y in the triangles below.
2. b.



1. d.



1. A square has diagonal length 29 cm. What is the side length of the square, to the  
   nearest centimeter?
2. An equilateral triangle has side length of 10 cm. What is the altitude of the triangle, to the nearest centimeter?
3. Televisions are sold by the length of the diagonal across the screen. If a new 68-in. television screen is 39 in. wide, how tall is the screen to the nearest inch?