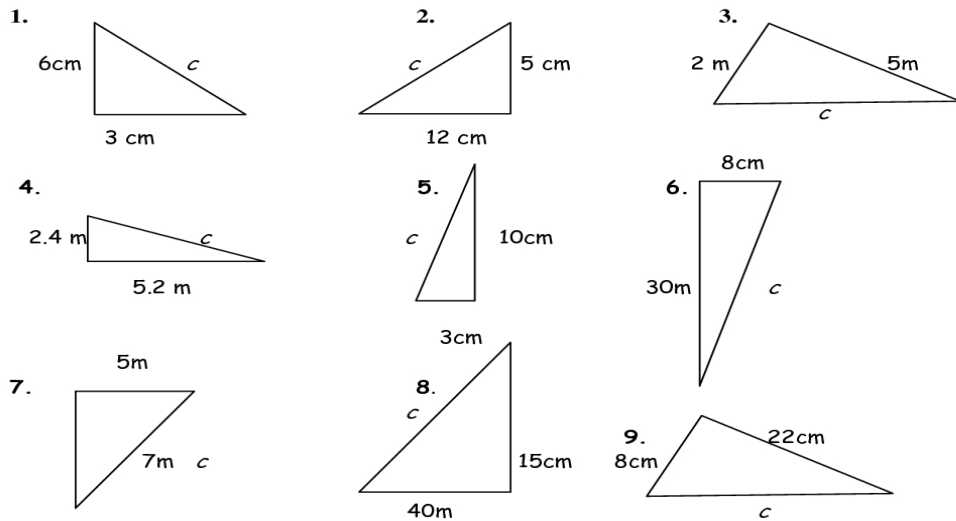


Name: \_\_\_\_\_

## The Pythagorean Theorem

**Directions:** Find the length of the missing side in the following examples. Round answers to the nearest tenth, if necessary.



What is the length of the hypotenuse,  $c$ , of the following right angle triangles?

10.  $a = 3$  ;  $b = 4$  ;  $c = ?$   
11.  $a = 6$  ;  $b = 8$  ;  $c = ?$

12. A ladder is leaning against the side of a 10m house. If the base of the ladder is 3m away from the house, how tall is the ladder?