

# The Pythagorean Theorem

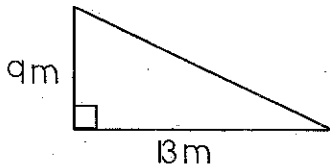
## {Coloring Activity!}

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

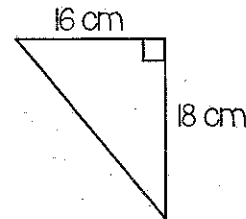
Date: \_\_\_\_\_ Per: \_\_\_\_\_

**Directions:** Find the missing side of each right triangle. Round answers to the nearest tenth. Match the question number with the answers below. Color the picture accordingly.

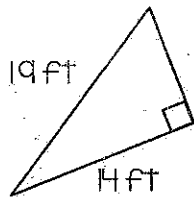
1



2



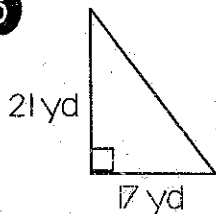
3



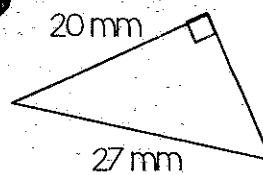
4



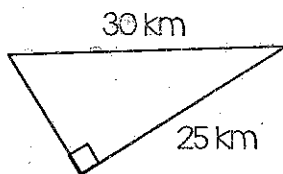
5



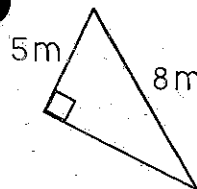
6



7



8



9

Kate biked 9 miles north to the park, then 4 miles west to the mall. How far is Kate from her starting point?

10

Troy is building a rectangular garden that is 10 feet by 6 feet. What should be the length of the diagonals to ensure a 90 degree angle?

11

A 15-foot wire is tied from the top of a pole to a stake in the ground. If the stake is 5 feet from the base of the pole, find the height of the pole.

12

To hang lights up on his house, Garrett places a 14 foot ladder 4 feet from the base of the house. How high up the house will the ladder reach?

Red: 27

Light Green: 13.4

Dark Blue: 15.8

Brown: 24.1

Yellow: 4.6

Dark Green: 18.1

Purple: 16.6

Black: 11

Orange: 12.8

Light Blue: 6.2

Pink: 11.7

Gray: 9.8

