

Quiz: Pythagorean Theorem Word Problems

1. Lisa drives her car 46 km south and then 13 km east. How far is she from her starting point?

2. Find the height of an equilateral triangle of 20 cm.

3. If the legs of an isosceles right triangle are 14 inches long, approximate the length of the hypotenuse to the nearest whole number.

4. Dick rides his bike 68 km south and then 6 km west. How far is he from his starting point?

5. If a leg of a triangle is 27 ft long, and another leg is 10 ft long, what is the length of the hypotenuse?

6. A garden is in the shape of a square of sides 90 feet. What is its hypotenuse?

7. If a side of a triangle is 28 ft long, and another side is 50 ft long, what is the length of the hypotenuse?

8. Town A is 9 miles from town B, and 18 miles from town C. Town A, B and C are forming a right triangle at A. A road connects towns B and C directly. Find the length of this road.

9. Find the height of an equilateral triangle of 48 cm.

10. A carton measures 32 inches long and 16 inches high. What is the diagonal length of the box?

Circle # Correct	0	1	2	3	4	5	6	7	8	9	10
Percentage Score	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%