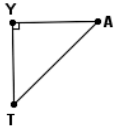


Quiz: Pythagorean Theorem

1. Betty drives her car 160 km south and then 36 km east. How far is she from her starting point?
2. Using the Pythagorean Theorem, find the area of an equilateral triangle whose side measures 6 units. Find the area to the nearest tenth of a square unit.
3. If the legs of an isosceles right triangle are 18 inches long, approximate the length of the hypotenuse to the nearest whole number.
4. Tim rides his bike 55 km south and then 48 km west. How far is he from his starting point?
5. If a leg of a triangle is 77 ft long, and another leg is 36 ft long, what is the length of the hypotenuse?
6. A garden is in the shape of a square of sides 85 feet. What is its hypotenuse?
7. If a side of a triangle is 56 ft long, and another side is 90 ft long, what is the length of the hypotenuse?
8. Town A is 21 miles from town B, and 20 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.  AT = x, TY = 9, YA = 40, find x.
10. A cartoon measures 50 inches long, 40 inches wide and 20 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%