Name: _____ Date _____

Topic: Pythagorean Theorem - Worksheet 1

1. Ron drives his car 30 km east and then 250 km south. How far is he from his starting point?

2. Using the Pythagorean Theorem, find the area of an equilateral triangle whose side measures 7 units. Find the area to the *nearest tenth* of a square unit.

3. If the legs of an isosceles right triangle are 10 inches long, approximate the length of the hypotenuse to the nearest whole number

4. Tom rides his bike 35km north and then 450 km east. How far is he from his starting point?

5. If a leg of a triangle is 30 ft long, and another leg is 58 ft long, what is the length of the hypotenuse?

6. A pool is in the shape of a square of sides 57 feet. What is its hypotenuse?

7. If a side of a triangle is 20 ft long, and another side is 43 ft long, what is the length of the hypotenuse?

8. Town A is 14 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. Find the height of an equilateral triangle whose side measures 56 cm.

10. A box is in the shape of a square of sides 32 cm. What is its hypotenuse?