

Worksheet #10  
Geometry and Pythagorean Theorem

1. Find the area of a rectangle that has a length of 6.9 m and a width of 2.6 m.
2. Find the area of a right triangle whose legs are 8 yd and 14 yd.
3. Fencing costs \$7 per linear foot. How much would it cost to put a fence around a rectangular property that measures 40 ft by 70 ft?
4. Find the circumference and area of a circle that has a diameter of 12 inches. Use 3.14 as an approximation for  $M$ .
5. A picture frame measures 18 inches by 21.5 inches. Find how many square inches of glass the frame requires.
6. Find the volume of a cube with edges 12 cm
7. Find the volume of a rectangular block of ice that is  $\frac{111}{222}$  ft by 3 ft by ft —
8. If the hypotenuse of a right triangle is 13m and the one leg is 12 m, find the length of the other leg.
9. If one leg of a right triangle is 12 inches and the other leg is 16 inches, find the length of the hypotenuse of the triangle.
10. A 17 foot ladder is placed against the side of a building that is 15 feet above the ground. What is the distance of the base of the ladder to the building?