Utilizing Formulas 1

1. What is the area of a square with a side length of 7 inches?

2. What is the perimeter of a square with a side length of 2.4 centimeters?

3. What is the area of a circle with a radius of 4 feet?

4. What is the perimeter of an isosceles triangle with two 4 inch sides and a 7 inch side?

5. What is the area of a triangle with a base of 2.6 meters, and a height of 4 meters?

6. What is the volume of a cylinder with a radius of 3 cm and a height of 5 cm?

7. Compute the simple interest earned if $7000 is invested at a 3% interest rate for 2 years.

8. Compute the simple interest earned if $1500 is invested at a 4% interest rate for 4 months.

9. Compute the distance traveled by a runner running 6 miles per hour for 2 hours.

10. Compute the distance traveled by a runner running 6 miles per hour for 45 minutes.

11. Compute the cost of buying 11.5 pounds of roast beef at a cost of $8.45 per pound.

12. Compute the circumference of a circle with a radius of 5 inches.

13. Compute the circumference of a circle with a diameter of 11 yards.

1) 49 in^2 2) 9.6 cm 3) 16π or 50.24 ft^2 4) 15 in 5) 5.2 m^2 6) 45π or 141.3 cm^3 7) $420 8) $20 9) 12 miles 10) 4.5 miles 11) $97.18 12) 10 π OR 31.4 in 13) 11 π or 34.54 in