

Name: _____

Date: _____

Using Formulas

Use 3.14 for π . Round to the nearest hundredth if necessary.

1) What is the circumference of a circle with a radius of 4 inches?

Find the formula for the _____ of a _____.

Copy the formula: _____

Plug in the known values:

Solve to find the unknown value:

State your answer with the correct units:

2) What is the area of a circle with a diameter of 7 cm.

Find the formula for the _____ of a _____.

Copy the formula: _____

Plug in the known values:

Solve to find the unknown value:

State your answer with the correct units:

3) What is the area of a triangle with a base of 7 m and a height of 8 m?

Find the formula for the _____ of a _____.

Copy the formula: _____

Plug in the known values:

Solve to find the unknown value:

State your answer with the correct units:

4) What is the surface area of a cylinder with a radius of 5 ft. and a height of 8 ft.?

Find the formula for the _____ of a _____.

Copy the formula: _____

Plug in the known values:

Solve to find the unknown value:

State your answer with the correct units:

5) What is the surface area of a sphere with a diameter of 8 in?

Find the formula for the _____ of a _____.

Copy the formula: _____

Plug in the known values:

Solve to find the unknown value:

State your answer with the correct units:

6) What is the volume of a cylinder with a radius of 10 cm and a height of 12 cm?

Find the formula for the _____ of a _____.

Copy the formula: _____

Plug in the known values:

Solve to find the unknown value:

State your answer with the correct units:

7) What is the volume of a sphere with a radius of 9 ft.?

Find the formula for the _____ of a _____.

Copy the formula: _____

Plug in the known values:

Solve to find the unknown value:

State your answer with the correct units:

8) What is the volume of a cone with a diameter of 6 cm and a height of 12 cm?

Find the formula for the _____ of a _____.

Copy the formula: _____

Plug in the known values:

Solve to find the unknown value:

State your answer with the correct units:

9) What is the area of a parallelogram with a base of 8 yards and a height of 10 yards?

Find the formula for the _____ of a _____.

Copy the formula: _____

Plug in the known values:

Solve to find the unknown value:

State your answer with the correct units:

10) What is the volume of a rectangular prism with a length of 8 m, width of 9 m, and height of 6 m?

Find the formula for the _____ of a _____.

Copy the formula: _____

Plug in the known values:

Solve to find the unknown value:

State your answer with the correct units:

11) What is the perimeter of a rectangle with a length of 120 mm and a height of 145 mm?

Find the formula for the _____ of a _____.

Copy the formula: _____

Plug in the known values:

Solve to find the unknown value:

State your answer with the correct units: