

## Surface Area of a Cylinder

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Solve the problems.**

- 1) The height and diameter of a cylinder are 7 feet and 8 feet respectively. Find the surface area of the cylinder. Use ( $\pi = 3.14$ ).

\_\_\_\_\_

- 2) A water tank is in the shape of a right circular cylinder with the height of 11.9 feet and the surface area is 645.03 cubic feet what is the diameter of the tank?

\_\_\_\_\_

- 3) A cylinder has a radius of 8.9cm and a height of 24cm. What is the surface area of the cylinder?

\_\_\_\_\_

- 4) Sam gave a glass of water to Lucy. The glass is 12cm tall and has a diameter of 8cm. What is the surface area of the glass?

\_\_\_\_\_

- 5) A Cylindrical oil tank has the surface area of 1547.7 square feet. If the radius is 7.8 feet then find the height?

\_\_\_\_\_

## Surface Area of a Cylinder

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Solve the problems.**

- 1) The height and diameter of a cylinder are 7 feet and 8 feet respectively. Find the surface area of the cylinder. Use ( $\pi = 3.14$ ).

$$\underline{276.46 \text{ ft}^2 \approx 276 \text{ ft}^2}$$

- 2) A water tank is in the shape of a right circular cylinder with the height of 11.9 feet and the surface area is 645.03 cubic feet what is the diameter of the tank?

$$\underline{11.6 \text{ ft} \approx 12 \text{ ft}}$$

- 3) A cylinder has a radius of 8.9cm and a height of 24cm. What is the surface area of the cylinder?

$$\underline{1839.78 \text{ cm}^2 \approx 1840 \text{ cm}^2}$$

- 4) Sam gave a glass of water to Lucy. The glass is 12cm tall and has a diameter of 8cm. What is the surface area of the glass?

$$\underline{402.12 \text{ cm}^2 \approx 402 \text{ cm}^2}$$

- 5) A Cylindrical oil tank has the surface area of 1547.7 square feet. If the radius is 7.8 feet then find the height?

$$\underline{23.78 \text{ ft} \approx 24 \text{ ft}}$$