

Practice Exercise 7

Formulas

1. Find the circumference of a circle with a radius of 5 ft.

$$C = 2\pi r$$

1. _____

2. Find the area of a circle with a radius of 4.7 in.

$$A = \pi r^2$$

2. _____

3. Find the volume of a cylinder that has a radius of 1.5 feet and a height of 4.5 feet.

$$V = \pi r^2 h$$

3. _____

4. Find the distance (to the nearest foot) around a circular wading pool with a radius of 14 feet.

4. _____

5. What is the volume of water a cylindrical water tower can hold if the tower is 18 ft high and has a 15-ft radius?

Express your answer to the nearest cubic foot.

5. _____