



# Area and Circumference of Circle

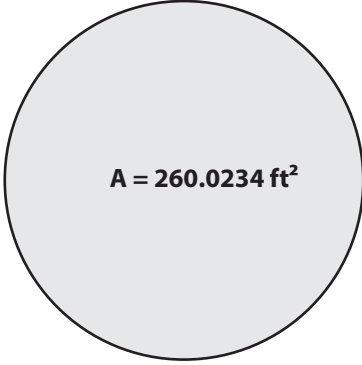
Name \_\_\_\_\_

Score \_\_\_\_\_

AC:29

Find the radius and diameter of each circle from the given area. (Use  $\pi = \frac{22}{7}$  or 3.14)

1)

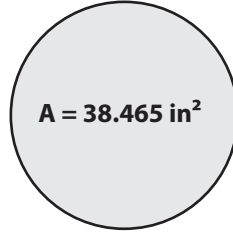


$$A = 260.0234 \text{ ft}^2$$

Radius = \_\_\_\_\_ ft

Diameter = \_\_\_\_\_ ft

2)

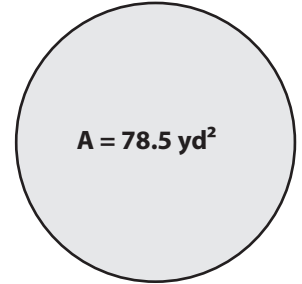


$$A = 38.465 \text{ in}^2$$

Radius = \_\_\_\_\_ in

Diameter = \_\_\_\_\_ in

3)



$$A = 78.5 \text{ yd}^2$$

Radius = \_\_\_\_\_ yd

Diameter = \_\_\_\_\_ yd

Complete the table. (Use  $\pi = \frac{22}{7}$  or 3.14)

Q. No	Radius	Diameter	Circumference	Area
1)				803.84 in <sup>2</sup>
2)			144.44 ft	
3)		3 yd		
4)	31 ft			
5)				24.6176 in <sup>2</sup>
6)			106.76 yd	



# Area and Circumference of Circle

Name \_\_\_\_\_

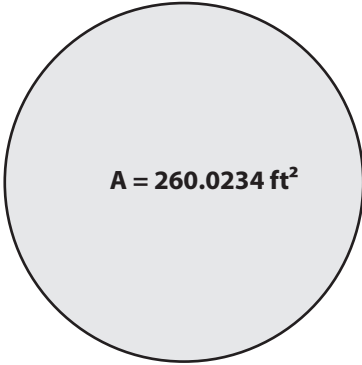
Score \_\_\_\_\_

## Answer key

AC:29

Find the radius and diameter of each circle from the given area. (Use  $\pi = \frac{22}{7}$  or 3.14)

1)

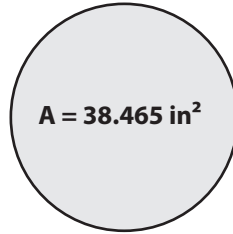


$$A = 260.0234 \text{ ft}^2$$

$$\text{Radius} = \underline{9.1} \text{ ft}$$

$$\text{Diameter} = \underline{18.2} \text{ ft}$$

2)

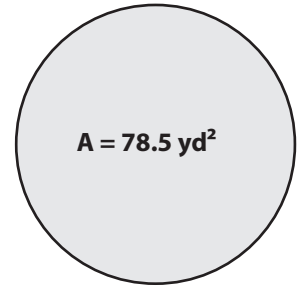


$$A = 38.465 \text{ in}^2$$

$$\text{Radius} = \underline{3.5} \text{ in}$$

$$\text{Diameter} = \underline{7} \text{ in}$$

3)



$$A = 78.5 \text{ yd}^2$$

$$\text{Radius} = \underline{5} \text{ yd}$$

$$\text{Diameter} = \underline{10} \text{ yd}$$

Complete the table. (Use  $\pi = \frac{22}{7}$  or 3.14)

Q. No	Radius	Diameter	Circumference	Area
1)	<b>16 in</b>	<b>32 in</b>	<b>100.48 in</b>	803.84 in <sup>2</sup>
2)	<b>23 ft</b>	<b>46 ft</b>	144.44 ft	<b>1661.06 ft<sup>2</sup></b>
3)	<b>1.5 yd</b>	3 yd	<b>9.42 yd</b>	<b>7.065 yd<sup>2</sup></b>
4)	31 ft	<b>62 ft</b>	<b>194.68 ft</b>	<b>3017.54 ft<sup>2</sup></b>
5)	<b>2.8 in</b>	<b>5.6 in</b>	<b>17.584 in</b>	24.6176 in <sup>2</sup>
6)	<b>17 yd</b>	<b>34 yd</b>	106.76 yd	<b>907.46 yd<sup>2</sup></b>