

## Repaso de destrezas (Circulo)

Fecha: \_\_\_\_\_ Grupo: \_\_\_\_\_

**Find the length of each arc.**

1)  $r = 12$  yd,  $\theta = 150^\circ$

2)  $r = 13$  mi,  $\theta = 90^\circ$

3)  $r = 12$  mi,  $\theta = 120^\circ$

4)  $r = 11$  cm,  $\theta = 45^\circ$

5)  $r = 16$  km,  $\theta = \frac{7\pi}{6}$

6)  $r = 15$  m,  $\theta = \frac{\pi}{3}$

7)  $r = 6$  in,  $\theta = \frac{7\pi}{6}$

8)  $r = 6$  mi,  $\theta = \frac{7\pi}{4}$

**Find the area of each sector.**

9)  $r = 8$  in,  $\theta = 150^\circ$

10)  $r = 17$  cm,  $\theta = 270^\circ$

11)  $r = 12$  yd,  $\theta = 150^\circ$

12)  $r = 19$  yd,  $\theta = 210^\circ$

13)  $r = 13$  cm,  $\theta = \frac{17\pi}{12}$

14)  $r = 11$  m,  $\theta = \frac{7\pi}{6}$

15)  $r = 20$  ft,  $\theta = \frac{5\pi}{6}$

16)  $r = 9$  in,  $\theta = \frac{3\pi}{2}$

## Answers to Repaso de destrezas (Circulo) (ID: 1)

1)  $10\pi$  yd

2)  $\frac{13\pi}{2}$  mi

3)  $8\pi$  mi

4)  $\frac{11\pi}{4}$  cm

5)  $\frac{56\pi}{3}$  km

6)  $5\pi$  m

7)  $7\pi$  in

8)  $\frac{21\pi}{2}$  mi

9)  $\frac{80\pi}{3}$  in<sup>2</sup>

10)  $\frac{867\pi}{4}$  cm<sup>2</sup>

11)  $60\pi$  yd<sup>2</sup>

12)  $\frac{2527\pi}{12}$  yd<sup>2</sup>

13)  $\frac{2873\pi}{24}$  cm<sup>2</sup>

14)  $\frac{847\pi}{12}$  m<sup>2</sup>

15)  $\frac{500\pi}{3}$  ft<sup>2</sup>

16)  $\frac{243\pi}{4}$  in<sup>2</sup>