

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) 10π yd

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

3) 8π mi

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

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

6) 5π m

7) 7π in

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

9) $\frac{80\pi}{3}$ in²

10) $\frac{867\pi}{4}$ cm²

11) 60π yd²

12) $\frac{2527\pi}{12}$ yd²

13) $\frac{2873\pi}{24}$ cm²

14) $\frac{847\pi}{12}$ m²

15) $\frac{500\pi}{3}$ ft²

16) $\frac{243\pi}{4}$ in²