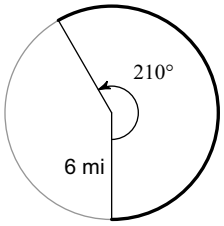
Trigonometría Nombre_____ ID: 1

Trabajo Especial #3

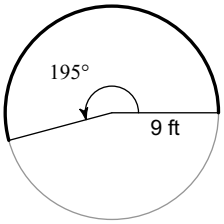
Fecha_____ Grupo____

Encuentre la longitud de arco de cada ejercicio. Find the length of each arc.

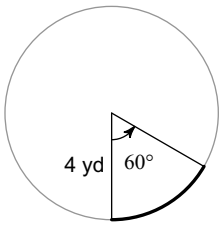
1)



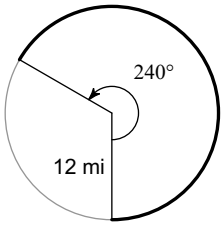
2)



3)



4)



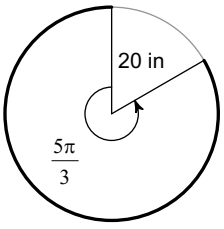
5) $r = 11$ km, $\theta = 225°$

6) $r = 13$ m, $\theta = 300°$

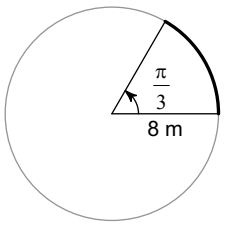
7) $r = 6$ ft, $\theta = 135°$

8) $r = 11$ km, $\theta = 45°$

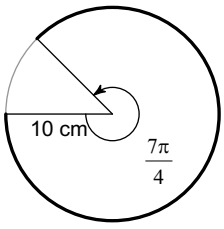
9)



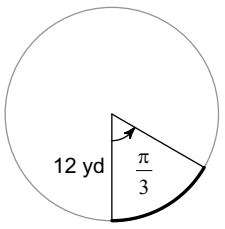
10)



11)



12)



13) $r = 12$ in, $\theta = \frac{5\pi}{3}$

14) $r = 10$ cm, $\theta = \frac{\pi}{2}$

15) $r = 6$ m, $\theta = \frac{3\pi}{4}$

16) $r = 9$ mi, $\theta = \frac{4\pi}{3}$

Answers to Trabajo Especial #3 (ID: 1)

1) 7π mi

2) $\frac{39\pi}{4}$ ft

3) $\frac{4\pi}{3}$ yd

4) 16π mi

5) $\frac{55\pi}{4}$ km

6) $\frac{65\pi}{3}$ m

7) $\frac{9\pi}{2}$ ft

8) $\frac{11\pi}{4}$ km

9) $\frac{100\pi}{3}$ in

10) $\frac{8\pi}{3}$ m

11) $\frac{35\pi}{2}$ cm

12) 4π yd

13) 20π in

14) 5π cm

15) $\frac{9\pi}{2}$ m

16) 12π mi