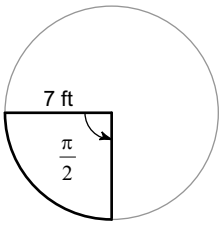
Trigonometría Nombre_____ ID: 1

Trabajo Especial #4

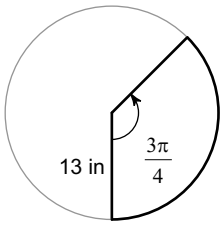
Fecha_____ Grupo____

Encuentre el área para cada sector circular. Find the area of each sector.

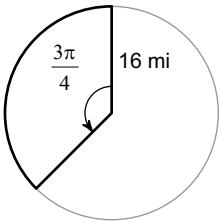
1)



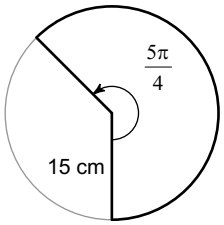
2)



3)



4)



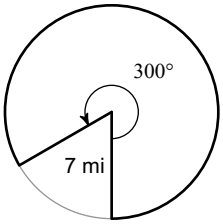
5) $r = 8$ cm, $\theta = \frac{5\pi}{6}$

6) $r = 10$ yd, $\theta = \frac{3\pi}{2}$

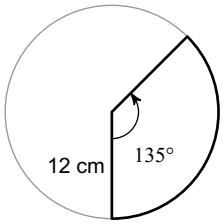
7) $r = 13$ m, $\theta = \frac{\pi}{2}$

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

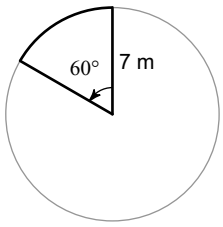
9)



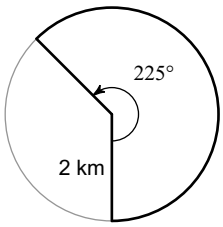
10)



11)



12)



13) $r = 6$ m, $\theta = 300°$

14) $r = 14$ ft, $\theta = 210°$

15) $r = 3$ mi, $\theta = 300°$

16) $r = 10$ km, $\theta = 90°$

Answers to Trabajo Especial #4 (ID: 1)

1) $\frac{49\pi}{4}$ ft²

2) $\frac{507\pi}{8}$ in²

3) 96π mi²

4) $\frac{1125\pi}{8}$ cm²

5) $\frac{80\pi}{3}$ cm²

6) 75π yd²

7) $\frac{169\pi}{4}$ m²

8) 56π km²

9) $\frac{245\pi}{6}$ mi²

10) 54π cm²

11) $\frac{49\pi}{6}$ m²

12) $\frac{5\pi}{2}$ km²

13) 30π m²

14) $\frac{343\pi}{3}$ ft²

15) $\frac{15\pi}{2}$ mi²

16) 25π km²