

Converting Degrees and Radians

Date _____ Period _____

Convert each degree measure into radians.

1) 595°

2) -410°

3) -115°

4) -50°

Convert each radian measure into degrees.

5) $-\frac{10\pi}{3}$

6) $\frac{43\pi}{12}$

7) $\frac{26\pi}{9}$

8) $\frac{23\pi}{18}$

Convert each degree measure into radians and each radian measure into degrees.

9) $-\frac{13\pi}{18}$

10) $\frac{23\pi}{9}$

11) $-\frac{\pi}{12}$

12) 405°

13) 180°

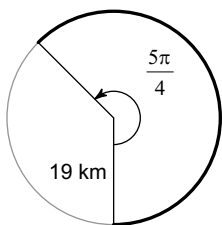
14) $-\frac{\pi}{3}$

15) 300°

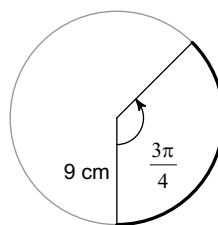
16) $-\frac{5\pi}{4}$

Find the length of each arc.

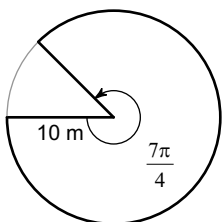
17)



18)

**Find the area of each sector.**

19)



20)

