

Assignment

Date _____ Period _____

Convert each degree measure into radians.

1) 190°

2) 60°

3) 340°

4) 10°

5) 120°

6) 150°

7) 135°

8) 245°

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

9) 450°

10) -10°

11) -255°

12) $\frac{11\pi}{36}$

13) 240°

14) 575°

15) -85°

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

17) $-\frac{7\pi}{6}$

18) $-\frac{8\pi}{9}$

19) 665°

20) 1060°

21) -150°

22) 120°

23) 615°

24) 465°

25) 315°

26) 350°

27) -450°

28) $-\frac{25\pi}{6}$

Assignment

Date _____ Period _____

Convert each degree measure into radians.

1) 190°

$$\frac{19\pi}{18}$$

2) 60°

$$\frac{\pi}{3}$$

3) 340°

$$\frac{17\pi}{9}$$

4) 10°

$$\frac{\pi}{18}$$

5) 120°

$$\frac{2\pi}{3}$$

6) 150°

$$\frac{5\pi}{6}$$

7) 135°

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

8) 245°

$$\frac{49\pi}{36}$$

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

9) 450°

$$\frac{5\pi}{2}$$

10) -10°

$$-\frac{\pi}{18}$$

11) -255°

$$-\frac{17\pi}{12}$$

12) $\frac{11\pi}{36}$

$$55^\circ$$

13) 240°

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

14) 575°

$$\frac{115\pi}{36}$$

$$15) -85^\circ$$

$$-\frac{17\pi}{36}$$

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

$$45^\circ$$

$$17) -\frac{7\pi}{6}$$

$$-210^\circ$$

$$18) -\frac{8\pi}{9}$$

$$-160^\circ$$

$$19) 665^\circ$$

$$\frac{133\pi}{36}$$

$$20) 1060^\circ$$

$$\frac{53\pi}{9}$$

$$21) -150^\circ$$

$$-\frac{5\pi}{6}$$

$$22) 120^\circ$$

$$\frac{2\pi}{3}$$

$$23) 615^\circ$$

$$\frac{41\pi}{12}$$

$$24) 465^\circ$$

$$\frac{31\pi}{12}$$

$$25) 315^\circ$$

$$\frac{7\pi}{4}$$

$$26) 350^\circ$$

$$\frac{35\pi}{18}$$

$$27) -450^\circ$$

$$-\frac{5\pi}{2}$$

$$28) -\frac{25\pi}{6}$$

$$-750^\circ$$