

Radian Measures

Date _____ Period _____

For each of the following:**A) Convert each degree measure into radians.****B) Find a positive coterminal angle of your answer.**

1) 330°

2) 945°

3) 120°

4) -225°

5) 255°

6) -300°

For each of the following:**A) Convert each radian measure into degrees.****B) Find a negative coterminal angle of your answer.**

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

8) $\frac{5\pi}{3}$

9) $\frac{17\pi}{3}$

10) $\frac{41\pi}{36}$

11) $-\frac{11\pi}{6}$

12) $\frac{11\pi}{3}$

For each of the following:

A) Find the supplementary angle.

B) Find the complementary angle.

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

14) $\frac{\pi}{2}$

15) $\frac{\pi}{3}$

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

$$17) \frac{2\pi}{3}$$

$$18) \frac{11\pi}{6}$$

$$19) \frac{3\pi}{2}$$

$$20) \frac{11\pi}{18}$$

$$21) \frac{7\pi}{6}$$

$$22) \frac{17\pi}{9}$$

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Date _____ Period _____

For each of the following:**A) Convert each degree measure into radians.****B) Find a positive coterminal angle of your answer.**

1) 330°

$$\frac{11\pi}{6}$$

2) 945°

$$\frac{21\pi}{4}$$

3) 120°

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

4) -225°

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

5) 255°

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

6) -300°

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

For each of the following:**A) Convert each radian measure into degrees.****B) Find a negative coterminal angle of your answer.**

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

$$-60^\circ$$

8) $\frac{5\pi}{3}$

$$300^\circ$$

9) $\frac{17\pi}{3}$

1020°

10) $\frac{41\pi}{36}$

205°

11) $-\frac{11\pi}{6}$

-330°

12) $\frac{11\pi}{3}$

660°

For each of the following:

A) Find the supplementary angle.

B) Find the complementary angle.

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

150°

14) $\frac{\pi}{2}$

90°

15) $\frac{\pi}{3}$

60°

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

165°

$$17) \frac{2\pi}{3}$$

120°

$$18) \frac{11\pi}{6}$$

330°

$$19) \frac{3\pi}{2}$$

270°

$$20) \frac{11\pi}{18}$$

110°

$$21) \frac{7\pi}{6}$$

210°

$$22) \frac{17\pi}{9}$$

340°