

## Assignment

Date \_\_\_\_\_ Period \_\_\_\_\_

**Find a positive and a negative coterminal angle for each given angle.**

1)  $-\frac{28\pi}{9}$

2)  $-\frac{13\pi}{12}$

3)  $-\frac{23\pi}{10}$

4)  $\frac{10\pi}{3}$

5)  $\frac{19\pi}{36}$

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

**Convert each degree measure into radians.**

7)  $-510^\circ$

8)  $-30^\circ$

9)  $-60^\circ$

10)  $520^\circ$

11)  $760^\circ$

12)  $480^\circ$

**Find the supplement and complement of each angle.**

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

14)  $\frac{5\pi}{12}$

15)  $\frac{5\pi}{9}$

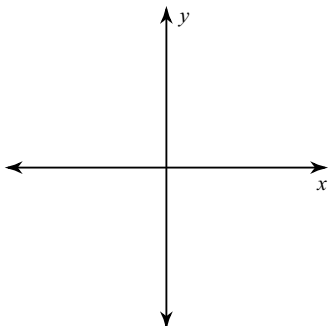
16)  $\frac{\pi}{9}$

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

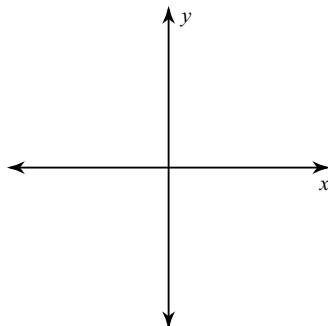
18)  $\frac{7\pi}{18}$

**Draw an angle with the given measure in standard position.**

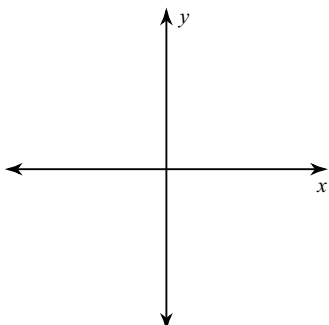
19)  $\frac{4\pi}{3}$



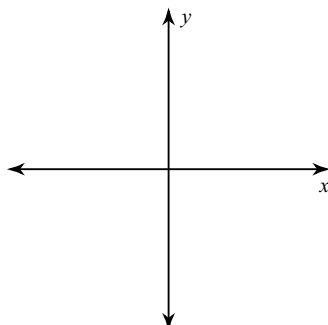
20)  $\frac{17\pi}{18}$



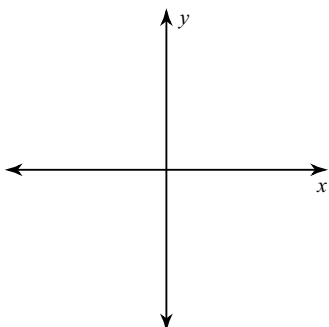
21)  $\frac{5\pi}{4}$



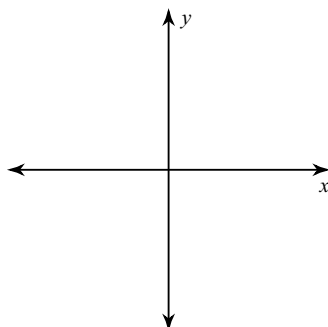
22)  $\frac{5\pi}{12}$



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



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



**Find the reference angle.**

25)  $220^\circ$

26)  $140^\circ$

27)  $-200^\circ$

28)  $-190^\circ$

29)  $300^\circ$

30)  $350^\circ$