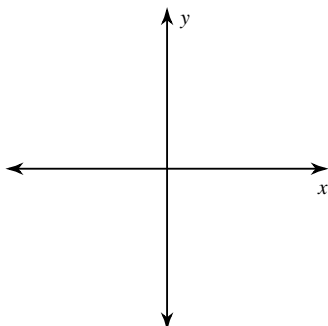
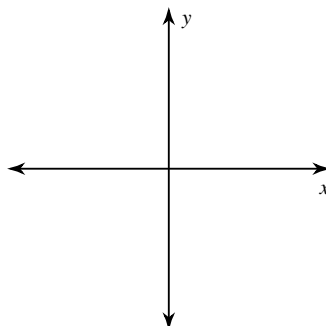


Draw an angle with the given measure in standard position.

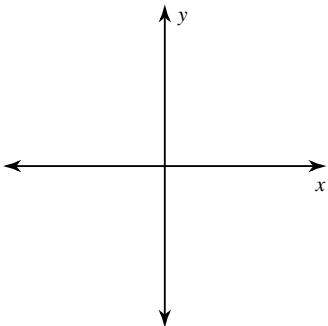
1)  $-\frac{5\pi}{4}$



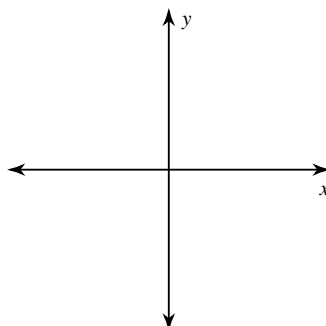
2)  $\frac{\pi}{4}$



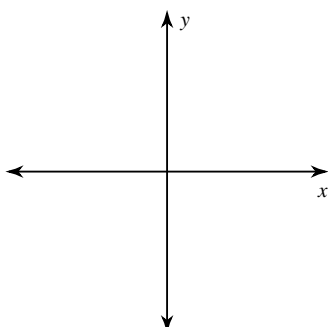
3)  $-\pi$



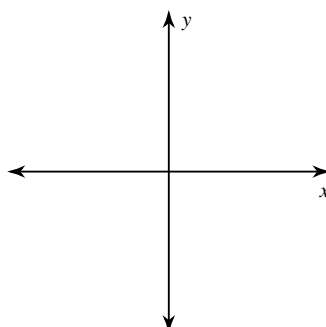
4)  $\frac{11\pi}{6}$



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



6)  $\frac{9\pi}{4}$



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

7)  $\frac{35\pi}{12}$

8)  $-\frac{2\pi}{3}$

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

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

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

12)  $\frac{13\pi}{18}$

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

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

14)  $1050^\circ$

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

16)  $15^\circ$

17)  $-45^\circ$

18)  $165^\circ$

19)  $225^\circ$

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

State the quadrant in which the terminal side of each angle lies.

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

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

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

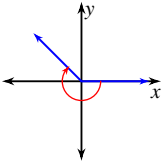
24)  $\frac{\pi}{6}$

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

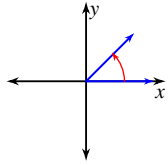
26)  $-\frac{3\pi}{4}$

## Answers to

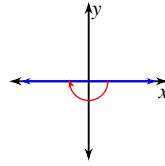
1)



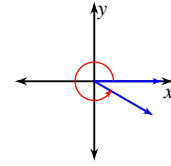
2)



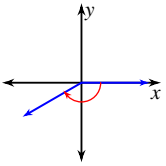
3)



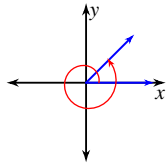
4)



5)



6)



7)  $\frac{11\pi}{12}$  and  $-\frac{13\pi}{12}$

8)  $\frac{4\pi}{3}$  and  $-\frac{8\pi}{3}$

9)  $\frac{5\pi}{3}$  and  $-\frac{7\pi}{3}$

10)  $\frac{23\pi}{6}$  and  $-\frac{\pi}{6}$

11)  $\frac{19\pi}{12}$  and  $-\frac{5\pi}{12}$

12)  $\frac{49\pi}{18}$  and  $-\frac{23\pi}{18}$

13)  $-210^\circ$

14)  $\frac{35\pi}{6}$

15)  $-150^\circ$

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

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

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

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

20)  $300^\circ$

21) IV

22) IV

23) I

24) I

25) IV

26) III