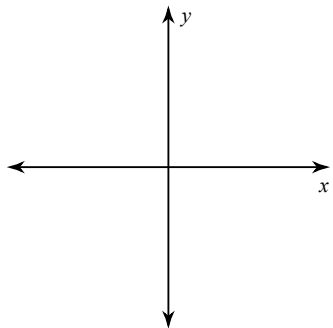


Practice for Q3OBQ1

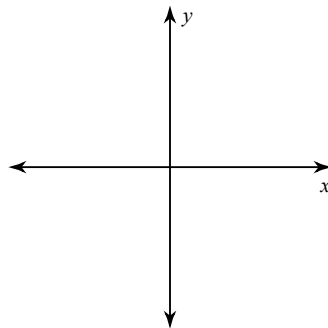
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Draw an angle with the given measure in standard position.

1) 310°



2) -635°

**Find the reference angle.**

3) 210°

4) -195°

5) 465°

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

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

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

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

9) -260°

10) 195°

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

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

Convert each degree measure into radians.

13) 240°

14) 675°

15) -255°

16) 120°

Convert each radian measure into degrees.

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

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

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

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

Find the exact value of each trigonometric function.

21) $\sin -360^\circ$

22) $\sin 300^\circ$

23) $\cos -90^\circ$

24) $\cos -870^\circ$

25) $\tan 225^\circ$

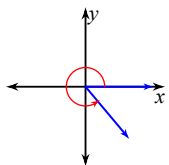
26) $\tan 1020^\circ$

27) $\csc 750^\circ$

28) $\sec -810^\circ$

Answers to Practice for Q3OBQ1

1)



5) 75°

9) 100° and -620°

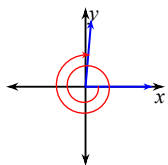
13) $\frac{4\pi}{3}$

17) 105°

21) 0

25) 1

2)



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

10) 555° and -165°

14) $\frac{15\pi}{4}$

18) -450°

22) $-\frac{\sqrt{3}}{2}$

26) $-\sqrt{3}$

3) 30°

7) $\frac{5\pi}{18}$

11) $\frac{11\pi}{3}$ and $-\frac{\pi}{3}$

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

19) 150°

23) 0

27) 2

4) 15°

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

12) $\frac{3\pi}{2}$ and $-\frac{5\pi}{2}$

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

20) 270°

24) $-\frac{\sqrt{3}}{2}$

28) Undefined