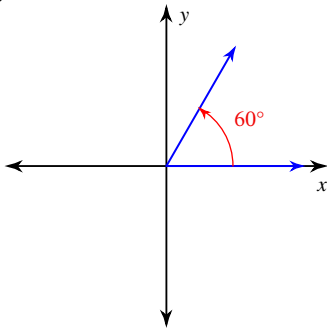


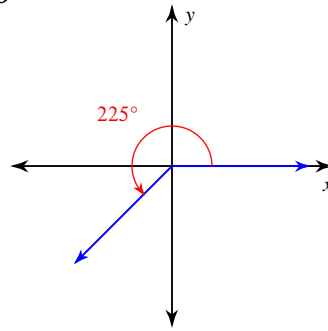
# Exact Trig Values of Special Angles

**Find the exact value of each trigonometric function.**

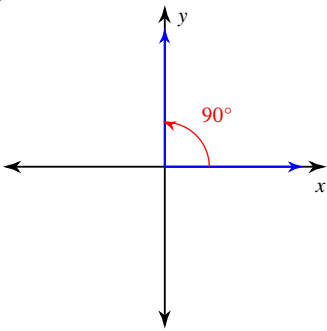
1)  $\tan \theta$



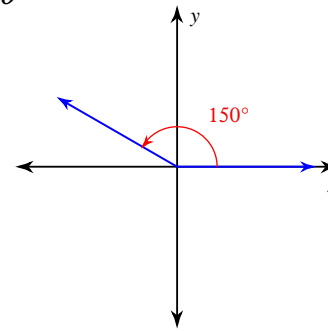
2)  $\sin \theta$



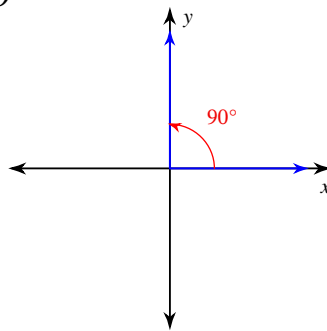
3)  $\sin \theta$



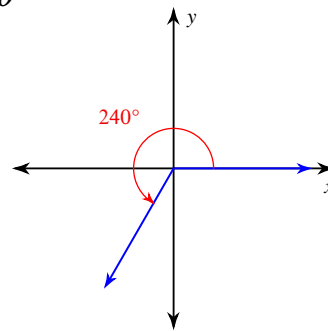
4)  $\cos \theta$



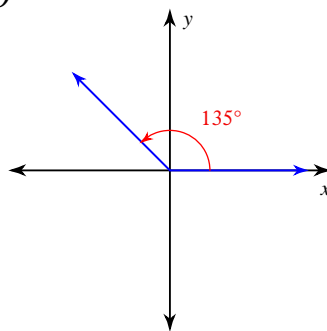
5)  $\cos \theta$



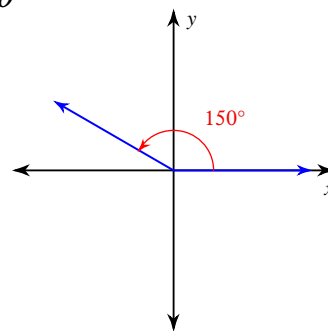
6)  $\tan \theta$



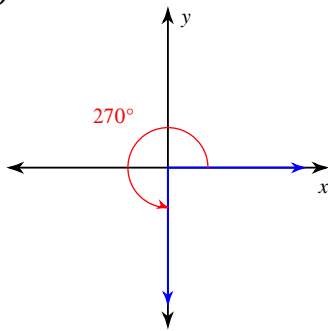
7)  $\cos \theta$



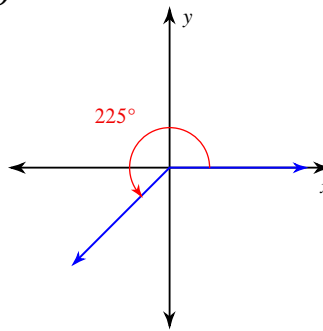
8)  $\tan \theta$



9)  $\cos \theta$



10)  $\tan \theta$



11)  $\cos 270^\circ$

12)  $\sin 0$

13)  $\cot \frac{7\pi}{4}$

14)  $\csc \frac{2\pi}{3}$

15)  $\csc 225^\circ$

16)  $\sin 300^\circ$

17)  $\csc 90^\circ$

18)  $\tan 240^\circ$

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

20)  $\tan 120^\circ$

21)  $\tan -\frac{13\pi}{6}$

22)  $\cos -630^\circ$

23)  $\cos 990^\circ$

24)  $\csc -\frac{31\pi}{6}$

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

26)  $\cos -\frac{17\pi}{3}$

27)  $\sin \frac{29\pi}{6}$

28)  $\sec 945^\circ$

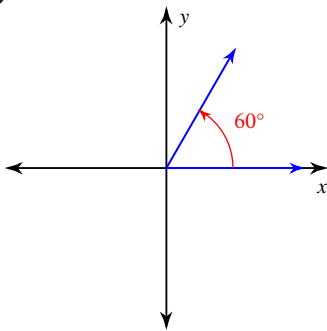
29)  $\cos -\frac{11\pi}{2}$

30)  $\sin -2\pi$

# Exact Trig Values of Special Angles

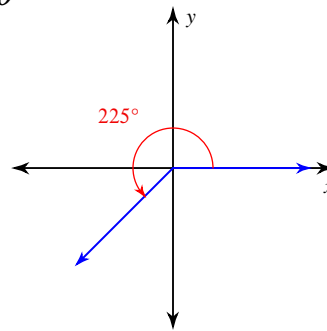
**Find the exact value of each trigonometric function.**

1)  $\tan \theta$



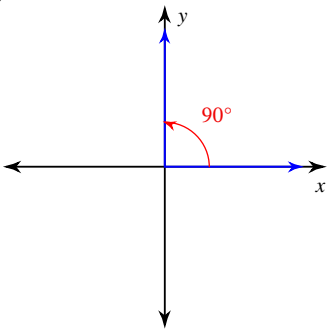
$\sqrt{3}$

2)  $\sin \theta$



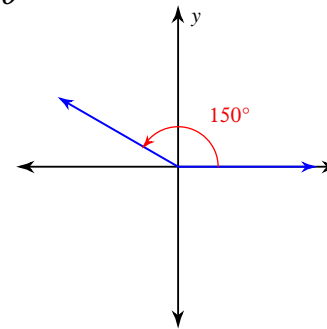
$-\frac{\sqrt{2}}{2}$

3)  $\sin \theta$



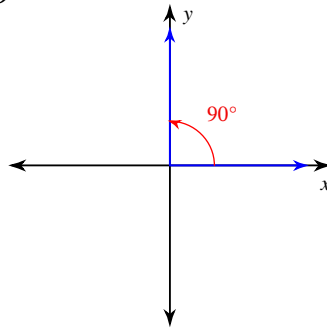
1

4)  $\cos \theta$



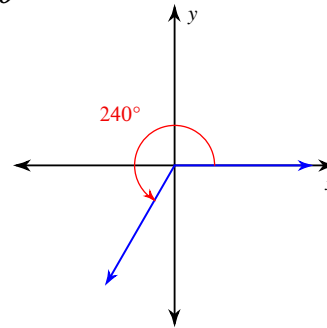
$-\frac{\sqrt{3}}{2}$

5)  $\cos \theta$



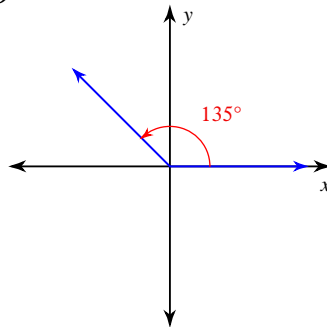
0

6)  $\tan \theta$



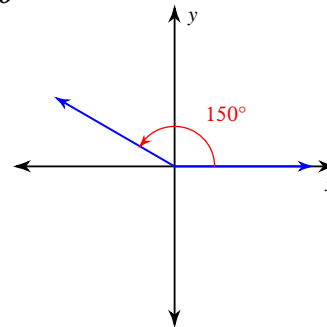
$\sqrt{3}$

7)  $\cos \theta$



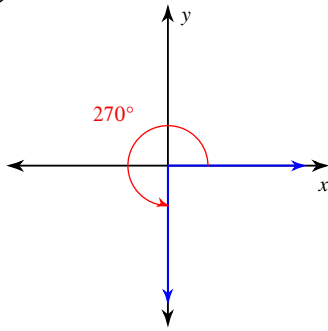
$-\frac{\sqrt{2}}{2}$

8)  $\tan \theta$



$-\frac{\sqrt{3}}{3}$

9)  $\cos \theta$



0

11)  $\cos 270^\circ$

0

13)  $\cot \frac{7\pi}{4}$

-1

15)  $\csc 225^\circ$

$-\sqrt{2}$

17)  $\csc 90^\circ$

1

19)  $\sin \frac{\pi}{4} \frac{\sqrt{2}}{2}$

21)  $\tan -\frac{13\pi}{6} -\frac{\sqrt{3}}{3}$

23)  $\cos 990^\circ$  0

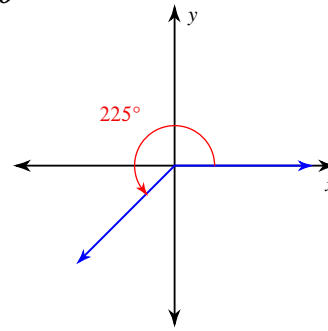
25)  $\csc -\frac{5\pi}{6} -2$

27)  $\sin \frac{29\pi}{6} \frac{1}{2}$

29)  $\cos -\frac{11\pi}{2}$

0

10)  $\tan \theta$



1

12)  $\sin 0$

0

14)  $\csc \frac{2\pi}{3} \frac{2\sqrt{3}}{3}$

16)  $\sin 300^\circ -\frac{\sqrt{3}}{2}$

18)  $\tan 240^\circ$

$\sqrt{3}$

20)  $\tan 120^\circ$

$-\sqrt{3}$

22)  $\cos -630^\circ$  0

24)  $\csc -\frac{31\pi}{6} 2$

26)  $\cos -\frac{17\pi}{3} \frac{1}{2}$

28)  $\sec 945^\circ$

$-\sqrt{2}$

30)  $\sin -2\pi$

0