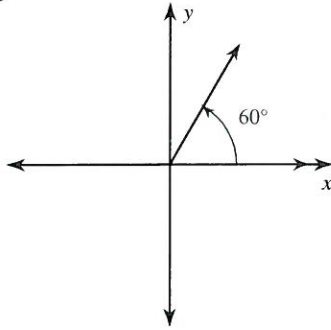


Exact Trig Values of Special Angles

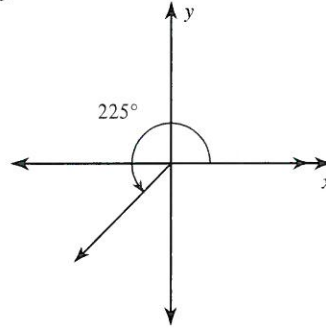
Find the exact value of each trigonometric function.

No calculators!!  
Answers on back.

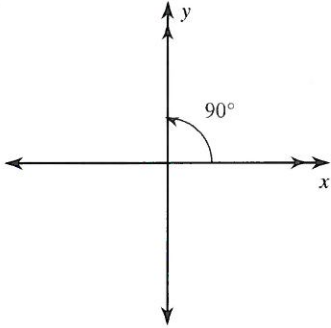
1)  $\tan \theta$



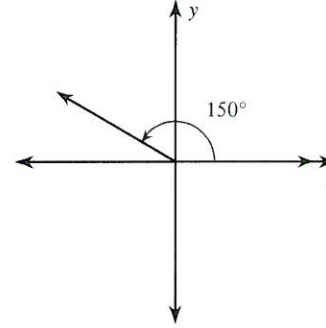
2)  $\sin \theta$



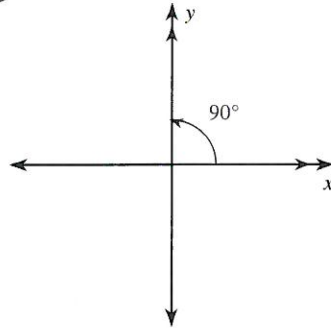
3)  $\sin \theta$



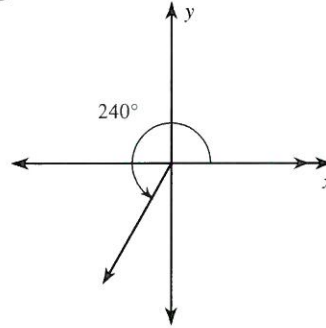
4)  $\cos \theta$



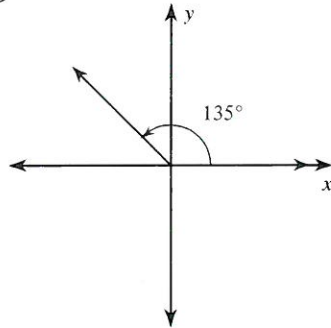
5)  $\cos \theta$



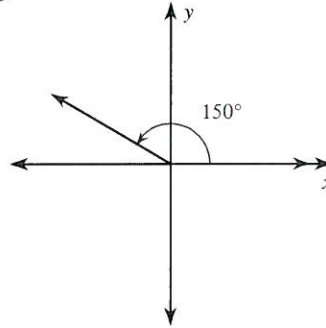
6)  $\tan \theta$



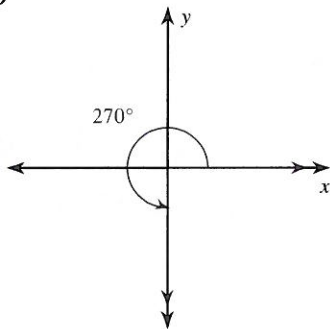
7)  $\cos \theta$



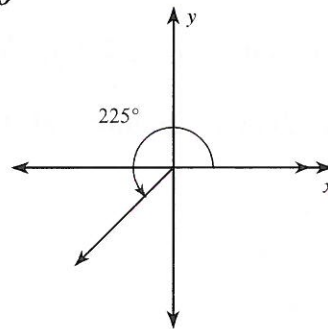
8)  $\tan \theta$



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)  $\sin -2\pi$

Answers to Degree Questions: 1)  $\sqrt{3}$  2)  $-\frac{\sqrt{2}}{2}$  3) 1 4)  $-\frac{\sqrt{3}}{2}$  5) 0 6)  $\sqrt{3}$  7)  $-\frac{\sqrt{2}}{2}$  8)  $-\frac{3}{5}$  9) 0 10) 1 11) 0 12) 0 13)  $-\sqrt{2}$  14)  $-\frac{\sqrt{2}}{2}$  15) 1 16)  $\sqrt{3}$  17) 1 18)  $\sqrt{3}$  19)  $-\sqrt{3}$  20)  $-\sqrt{3}$  21) 0 22) 0 23) 0 24)  $-\sqrt{2}$