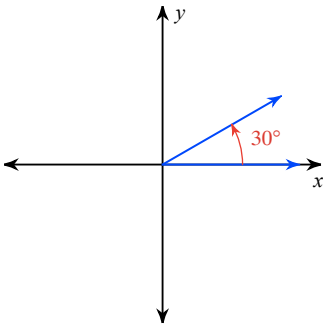
Precalculus Name_____

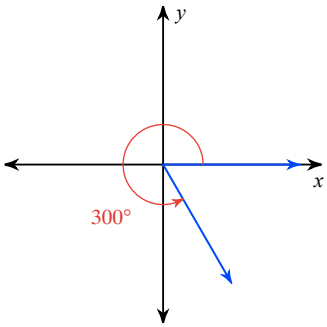
Unit Circle: Cosine, Sine and the Other Four

Use your Unit Circle to find the EXACT value of each trigonometric function.

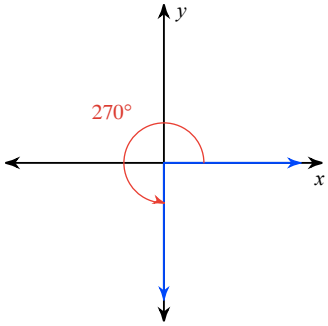
1) sin θ



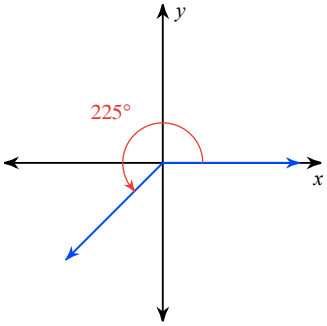
2) cos θ



3) cos θ



4) sin θ



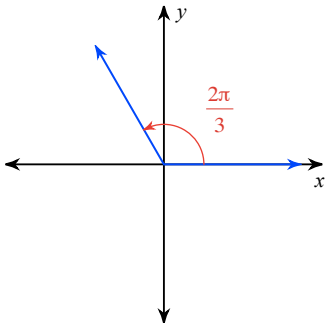
5) sin 240°

6) cos 150°

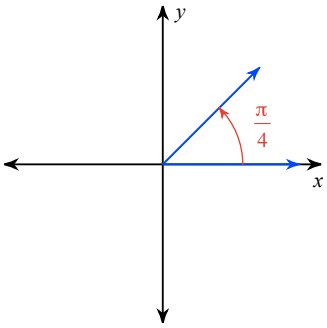
7) cos 135°

8) sin 315°

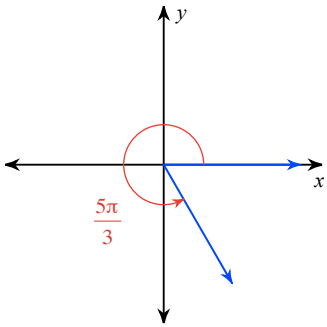
9) cos θ



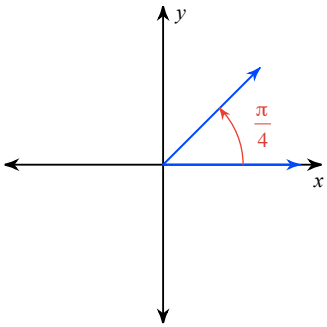
10) sin θ



11) cos θ



12) cos θ



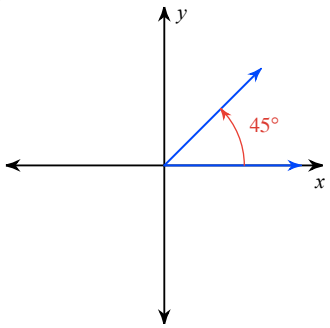
13) $\sin \frac{5\pi}{6}$

14) $\sin \frac{7\pi}{4}$

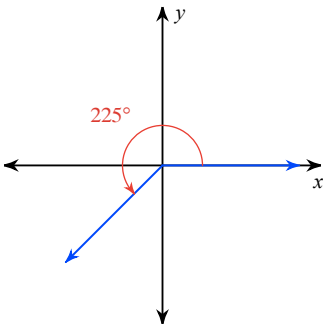
15) $\cos \frac{7\pi}{4}$

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

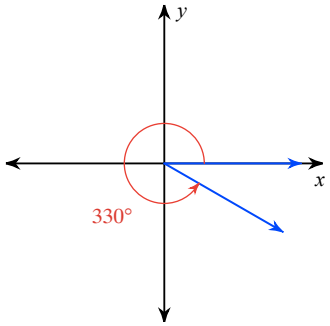
17) $\tan \theta$



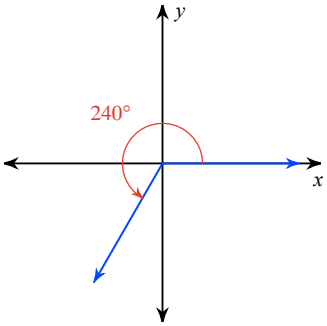
18) $\cot \theta$



19) $\cot \theta$



20) $\tan \theta$



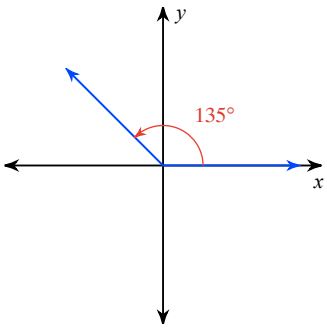
21) $\tan \frac{11\pi}{6}$

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

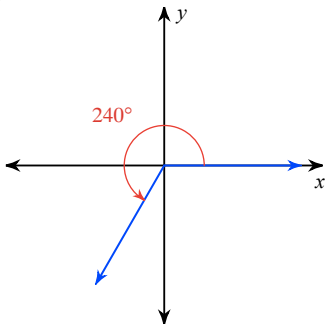
23) $\cot 0$

24) $\tan \pi$

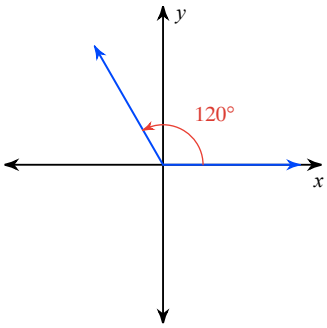
25) $\sec \theta$



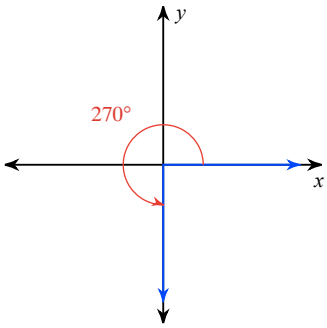
26) $\sec \theta$



27) csc θ



28) csc θ



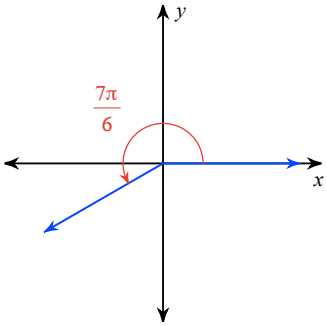
29) csc 330°

30) csc 135°

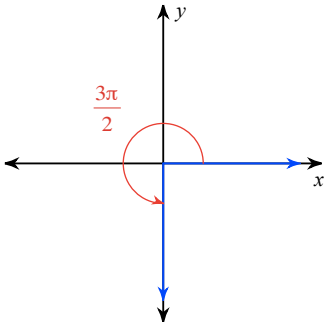
31) sec 135°

32) csc 150°

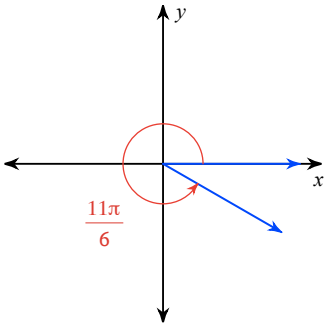
33) sec θ



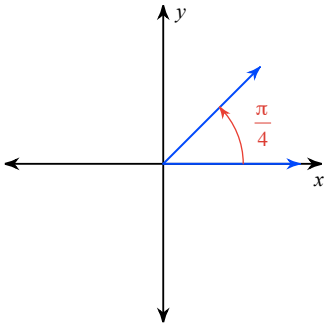
34) sec θ



35) csc θ



36) csc θ



37) $\csc \frac{3\pi}{4}$

38) $\sec \frac{2\pi}{3}$

39) $\sec \frac{5\pi}{3}$

40) csc 0