3.3A Sine and Cosine Function Values

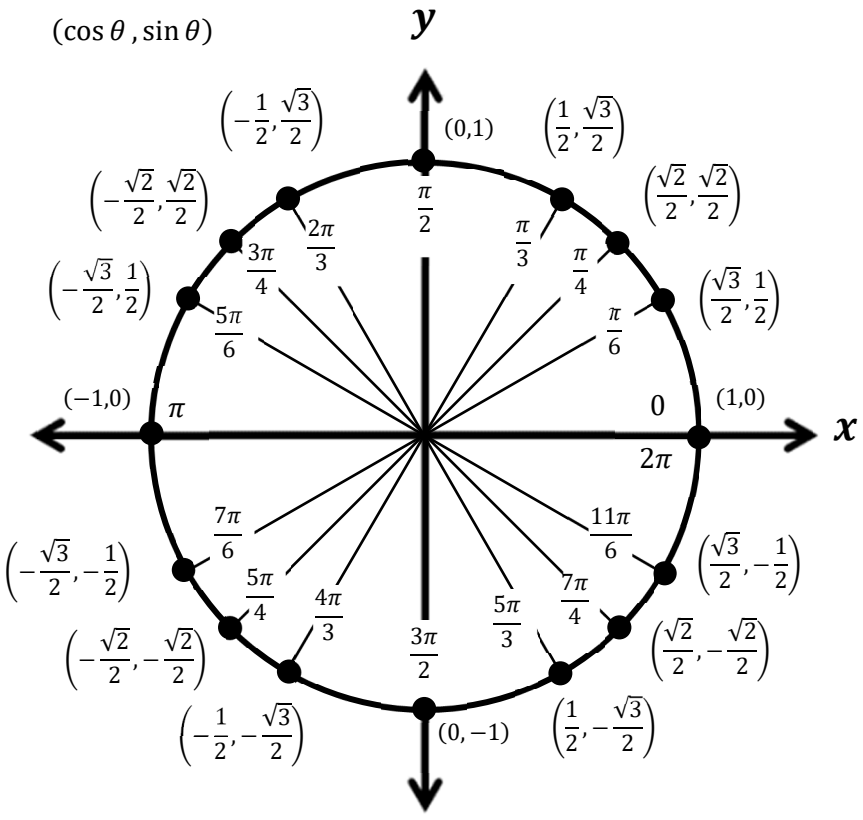
AP Precalculus

3.3A Practice

Find the value of each expression. Try not to look back at the Unit Circle for help.

1. $\sin\frac{3\pi}{2}$ -1	2. $\cos\frac{\pi}{2}$ 0	3. $\sin\frac{\pi}{6}$ $\frac{1}{2}$	4. $\cos\frac{\pi}{4}$ $\frac{\sqrt{2}}{2}$	5. $\sin\frac{5\pi}{6}$ $\frac{1}{2}$
6. $\cos\frac{7\pi}{6}$ $-\frac{\sqrt{3}}{2}$	7. $\cos\frac{4\pi}{3}$ $-\frac{1}{2}$	8. $\sin\frac{5\pi}{3}$ $-\frac{\sqrt{3}}{2}$	9. $\cos\left(-\frac{7\pi}{6}\right)$ $-\frac{\sqrt{3}}{2}$	10. $\cos\left(-\frac{\pi}{3}\right)$ $\frac{1}{2}$
11. $\sin\left(-\frac{3\pi}{4}\right)$ $-\frac{\sqrt{2}}{2}$	12. $\cos\frac{\pi}{3}$ $\frac{1}{2}$	13. $\sin\frac{\pi}{2}$ 1	14. $\sin\frac{2\pi}{3}$ $\frac{\sqrt{3}}{2}$	15. $\cos 2\pi$ 1
16. $\cos\frac{5\pi}{6}$ $-\frac{\sqrt{3}}{2}$	17. $\sin\frac{\pi}{3}$ $\frac{\sqrt{3}}{2}$	18. $\cos\left(-\frac{2\pi}{3}\right)$ $-\frac{1}{2}$	19. $\sin\frac{\pi}{4}$ $\frac{\sqrt{2}}{2}$	20. $\cos\frac{11\pi}{6}$ $\frac{\sqrt{3}}{2}$
21. $\sin\left(-\frac{\pi}{6}\right)$ $-\frac{1}{2}$	22. $\cos\frac{\pi}{6}$ $\frac{\sqrt{3}}{2}$	23. $\sin 0$ 0	24. $\sin\left(-\frac{5\pi}{4}\right)$ $\frac{\sqrt{2}}{2}$	25. $\sin\frac{4\pi}{3}$ $-\frac{\sqrt{3}}{2}$
				26. $\sin\pi$ 0

27. Fill in the unit circle below. Do all that you can without looking back at your notes. This will help you know how much you still need to study it.



No test prep for this lesson!