

7 HW Continued

Find the exact value of each trigonometric function.

1) $\tan \frac{3\pi}{4}$

2) $\tan 0^\circ$

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

4) $\tan \frac{3\pi}{2}$

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

6) $\tan \frac{17\pi}{6}$

7) $\sin \frac{23\pi}{6}$

8) $\sin 135^\circ$

9) $\tan \frac{9\pi}{4}$

10) $\sin 480^\circ$

11) $\sin -\frac{\pi}{4}$

12) $\tan -120^\circ$

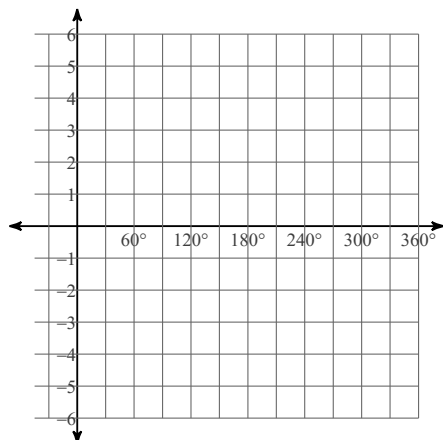
13) $\tan \frac{3\pi}{4}$

14) $\sin \frac{7\pi}{6}$

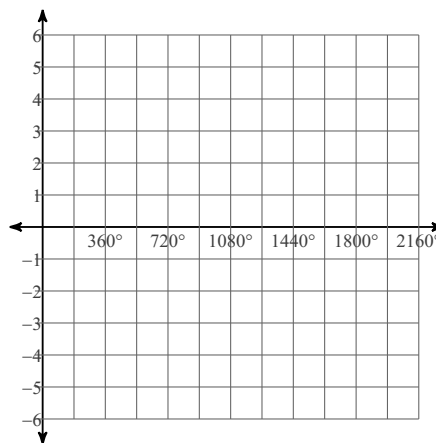
15) $\tan -135^\circ$

Using degrees, find the amplitude and period of each function. Then graph.

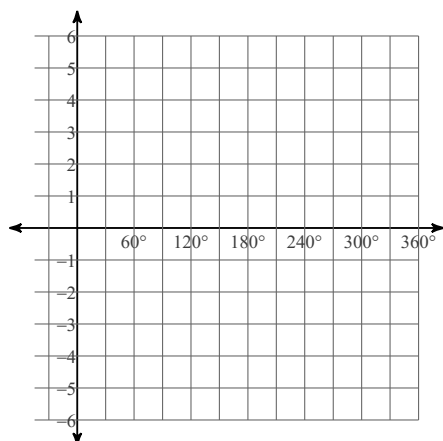
16) $y = 2 + \frac{1}{2} \cdot \sin 2\theta$



17) $y = 2 + 2\sin \frac{\theta}{4}$

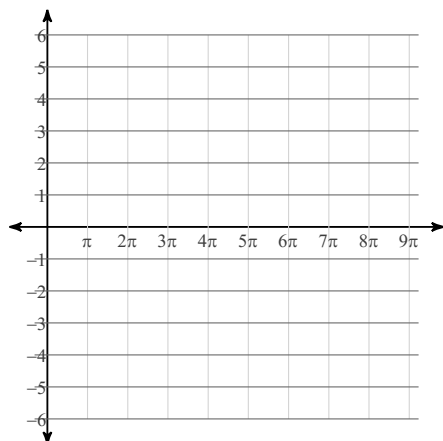


18) $y = -2 + \frac{1}{2} \cdot \sin 2\theta$



Using radians, find the amplitude and period of each function. Then graph.

19) $y = 2\sin \frac{\theta}{3} + 2$



20) $y = \sin 4\theta$

