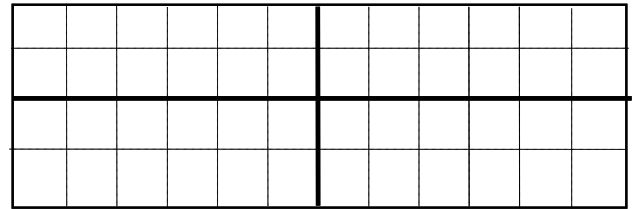
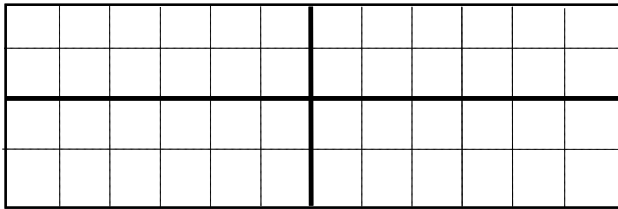


HW10: Section 4.6 Worksheet (Graphs of Trigonometric Functions)

Determine the amplitude, period, and phase shift of each function. Then graph two periods of the function.

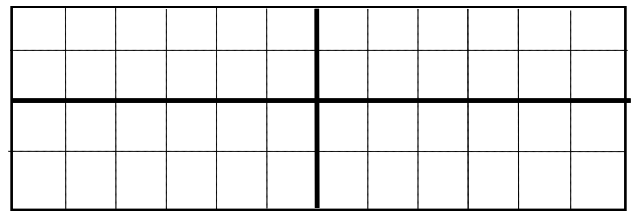
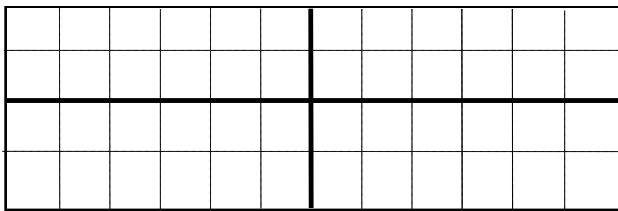
1) $y = 3 \cot \frac{\pi}{2} x$

2) $y = \frac{1}{3} \tan 2x$



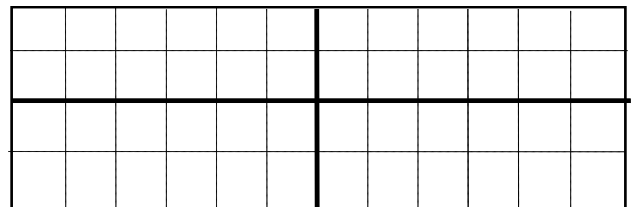
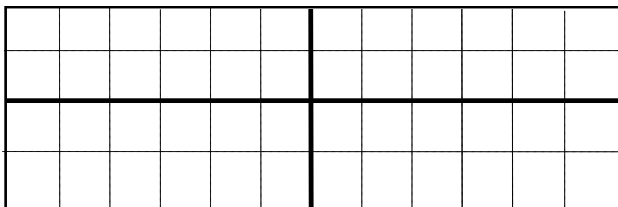
3) $y = -\csc(2x - \pi)$

4) $y = -\sec(4x + \pi)$

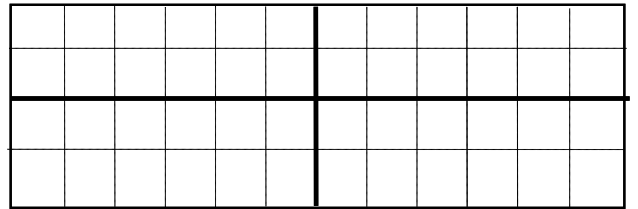
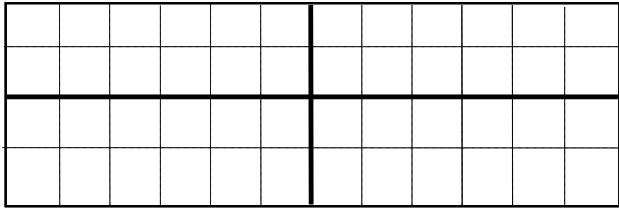


5) $y = -2 \tan 2x + 1$

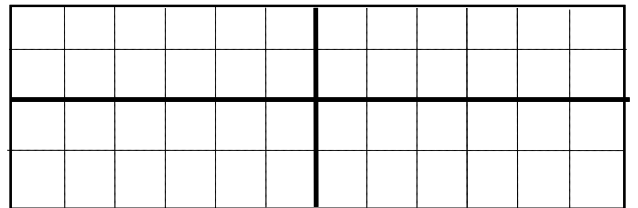
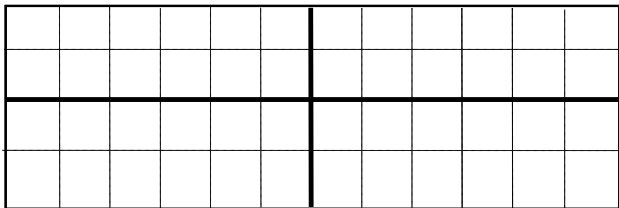
6) $y = -\frac{1}{2} \cot \frac{\pi}{2} x + \frac{1}{2}$



$$7) y = -\cos\left(\frac{\pi}{2}x + \frac{1}{2}\right) - 1$$



$$8) y = \frac{1}{2} \tan\left(\pi x - \frac{\pi}{2}\right) - \frac{1}{2}$$



$$9) y = 2 \cot(x - \pi) + 1$$

