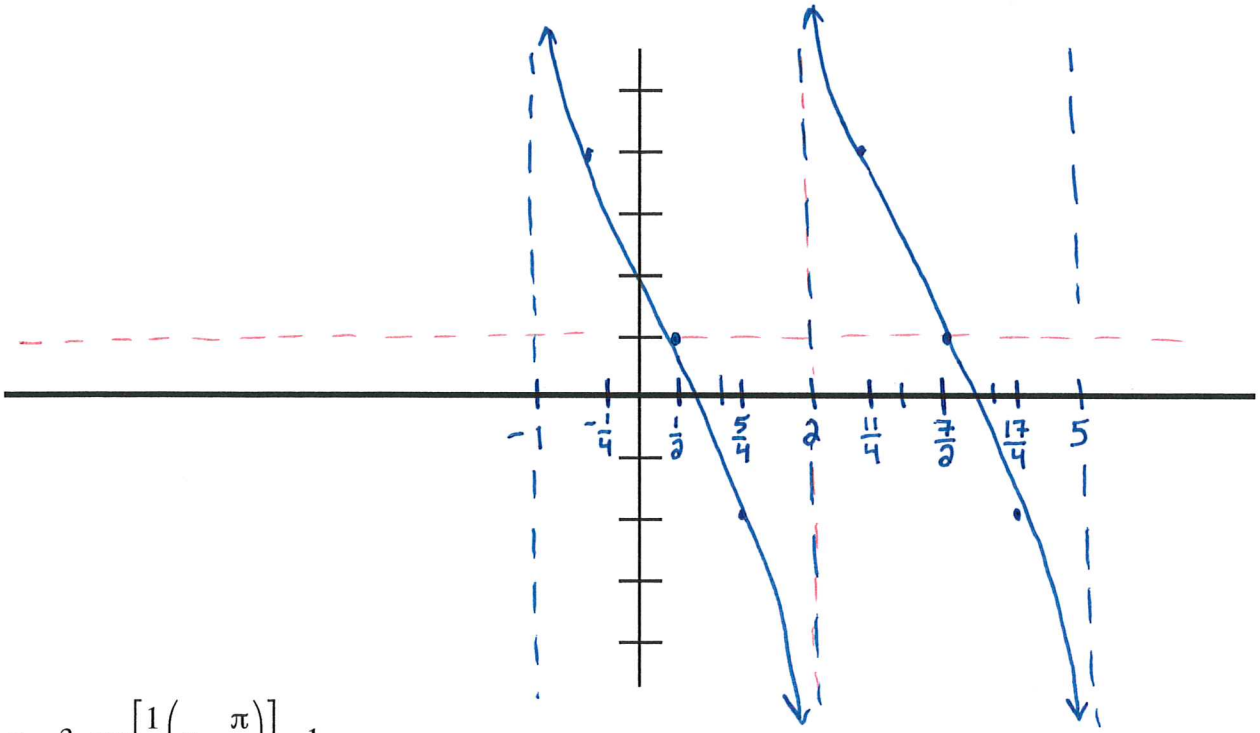
AMPLITUDE: 3 H.P.S: $x = 2$

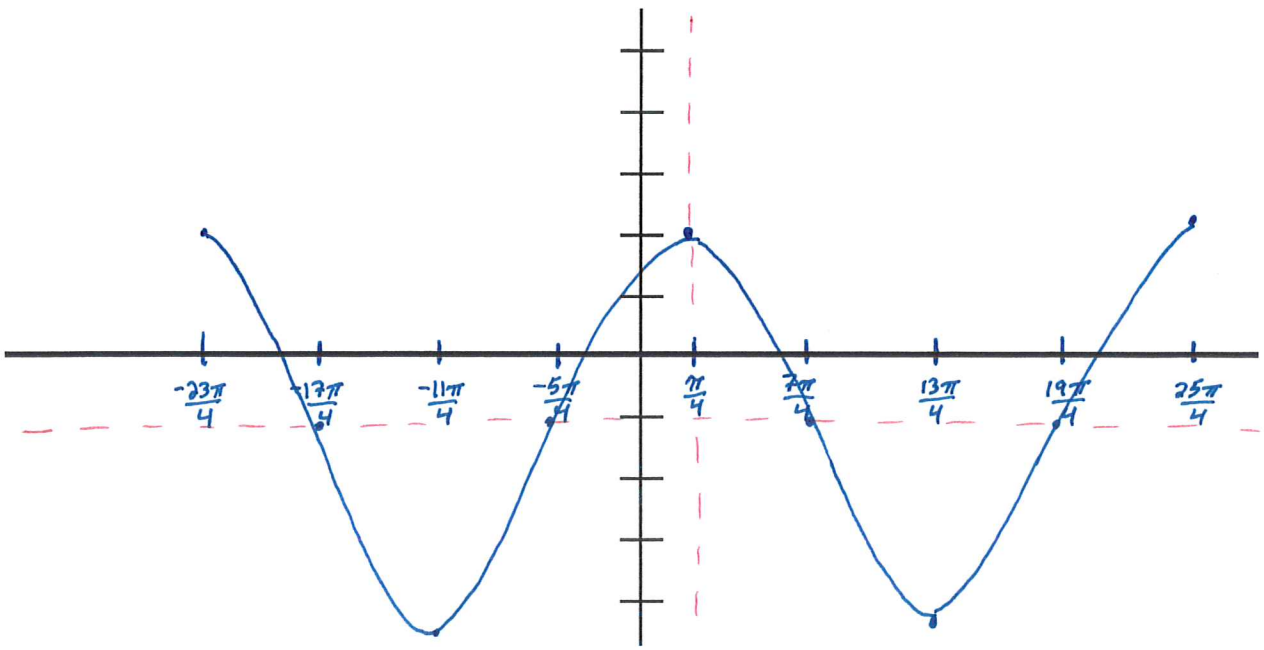
MIDLINE: $y = 1$ WAVELENGTH: $\frac{\pi}{\pi/3} = 3$

$$y = 3\cot\left[\frac{\pi}{3}(x-2)\right]+1$$



$$y = 3\cos\left[\frac{1}{3}\left(x-\frac{\pi}{4}\right)\right]-1$$

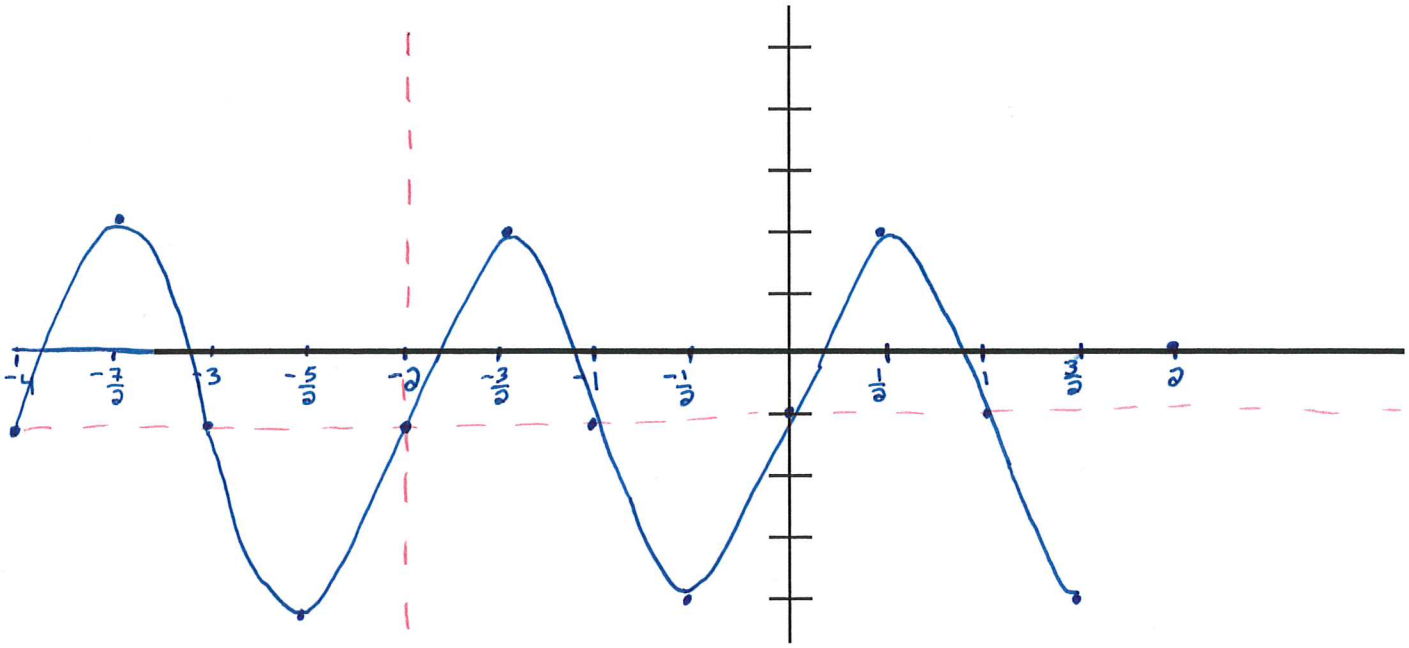
AMPLITUDE: 3 MIDLINE: $y = -1$ H.P.S.: $x = \pi/4$ WAVELENGTH: $\frac{2\pi}{\frac{1}{3}} = 6\pi$



AMPLITUDE: 3 H.P.S. $x = -2$

MIDLINE: $y = -1$ WAVELENGTH: $\frac{2\pi}{\pi} = 2$

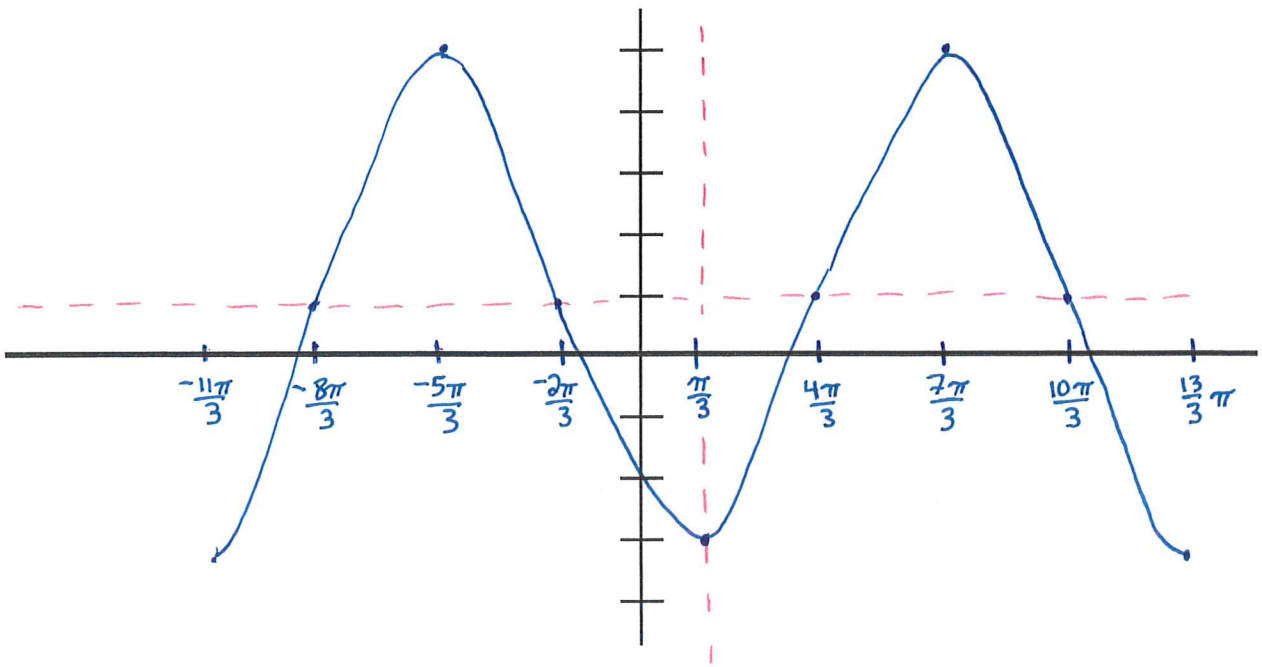
$y = 3\ \sin[\pi(x+2)] - 1$



$y = -4\ \cos\left[\frac{1}{2}\left(x - \frac{\pi}{3}\right)\right] + 1$

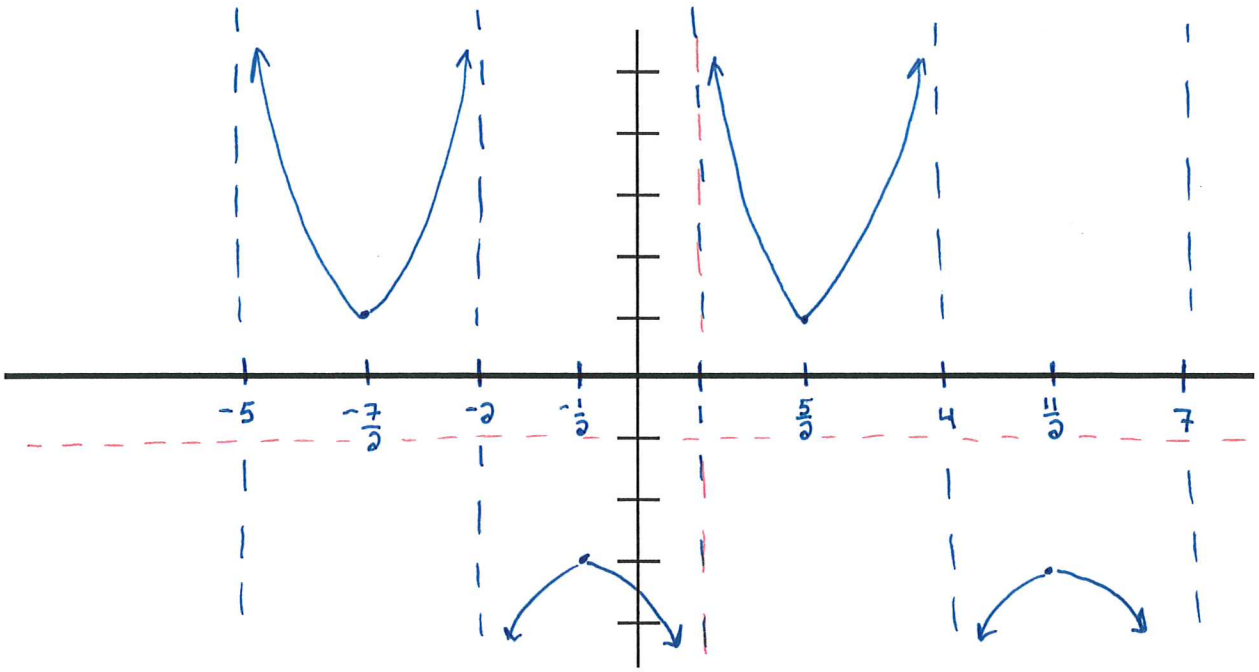
AMPLITUDE: 4 H.P.S. $x = \pi/3$

MIDLINE: $y = 1$ WAVELENGTH: $\frac{2\pi}{1/2} = 4\pi$



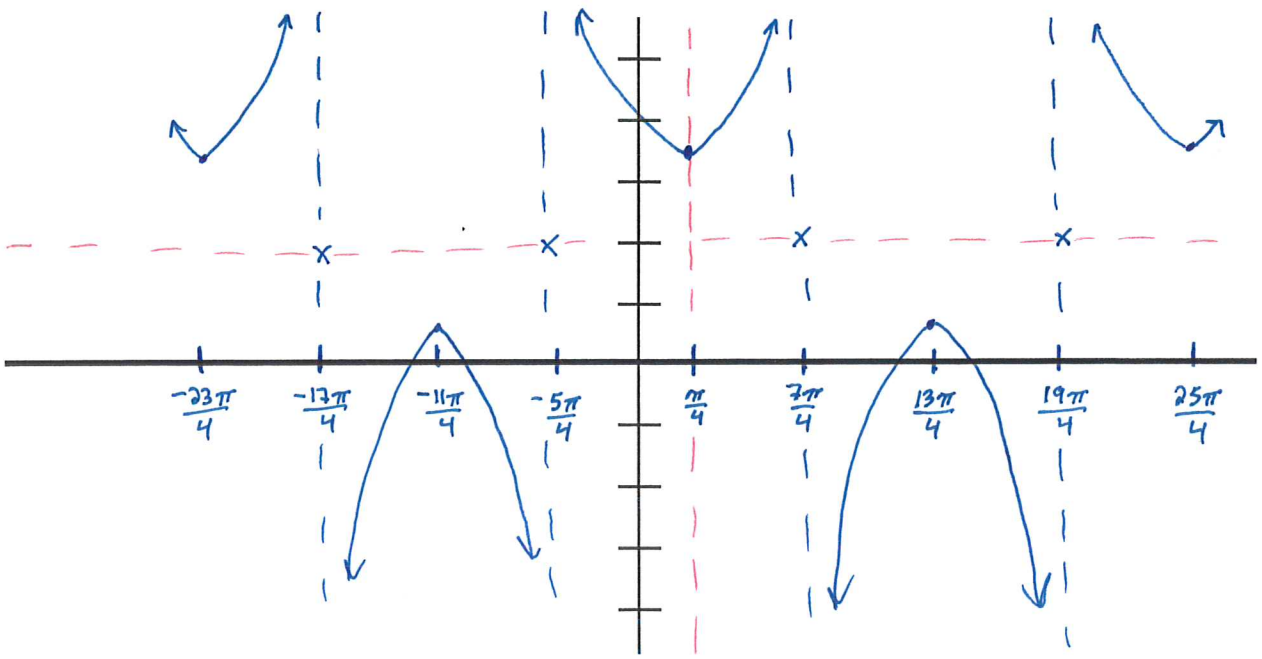
$$y = 2\ \csc\left[\frac{\pi}{3}(x-1)\right] - 1$$

AMPLITUDE: 2 MIDLINE: $y = -1$ H.P.S.: $x = 1$ WAVELENGTH: $\frac{2\pi}{\frac{\pi}{3}} = 6$



$$y = 1.5\ \sec\left[\frac{1}{3}\left(x - \frac{\pi}{4}\right)\right] + 2$$

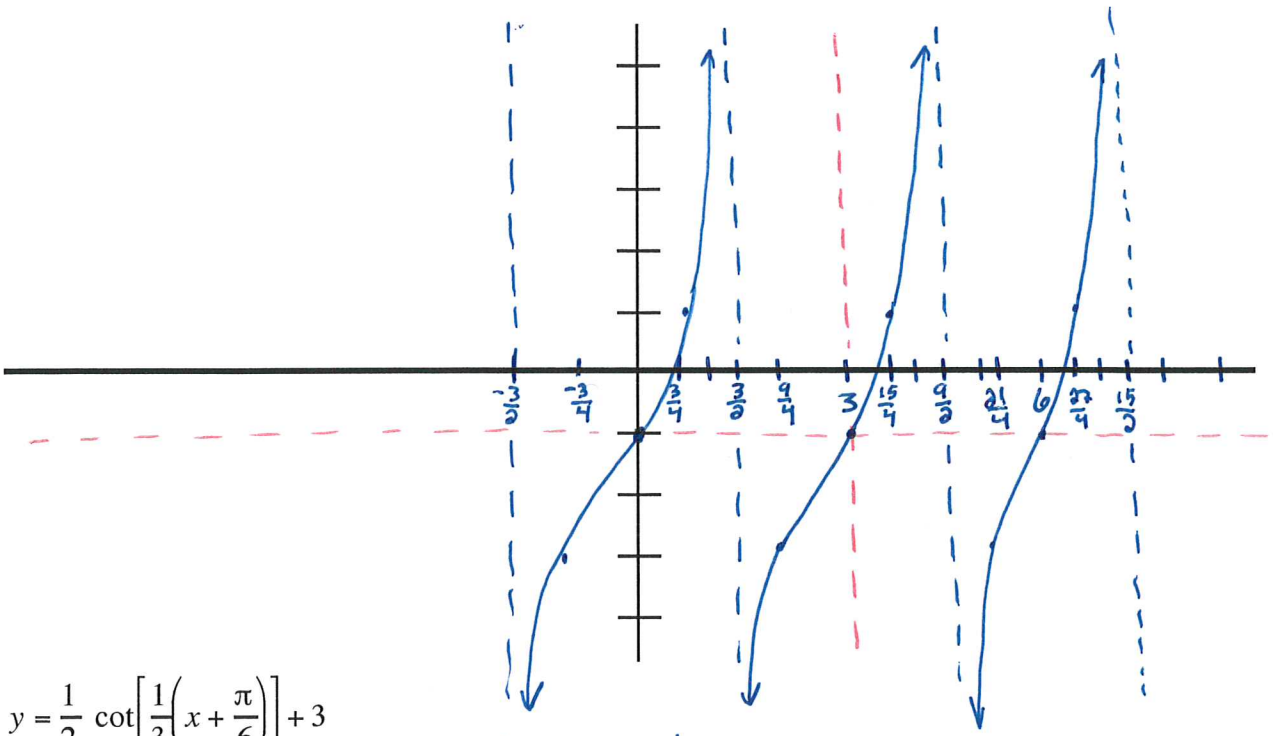
AMPLITUDE: 1.5 MIDLINE: $y = 2$ H.P.S.: $x = \pi/4$ WAVELENGTH: $\frac{2\pi}{\frac{1}{3}} = 6\pi$



AMPLITUDE: 2 H.P.S.: $x=3$

MIDLINE: $y=-1$ WAVELENGTH: $\frac{\pi}{\pi/3}=3$

$$y = 2\ \tan\left[\frac{\pi}{3}(x-3)\right]-1$$



$$y = \frac{1}{2}\ \cot\left[\frac{1}{3}\left(x+\frac{\pi}{6}\right)\right]+3$$

AMPLITUDE: $\frac{1}{2}$ H.P.S.: $x=\frac{-\pi}{6}$

MIDLINE: $y=3$ WAVELENGTH: $\frac{\pi}{1/3}=3\pi$