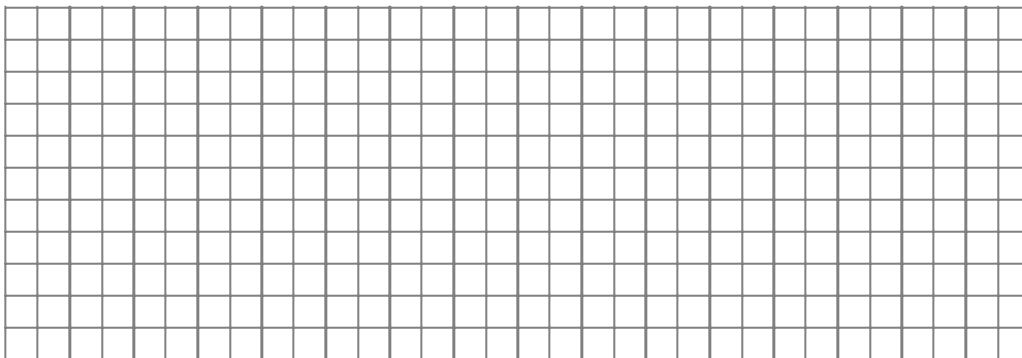


## Trigonometry

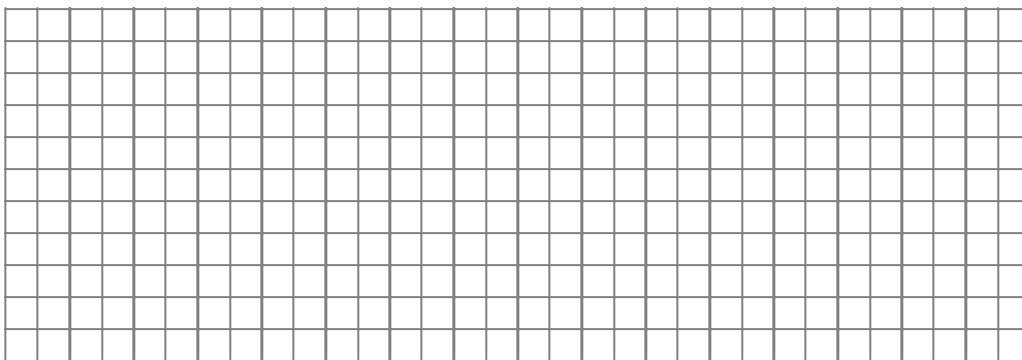
### Graphing Trig Functions with Transformations

*Graph two full periods of each of the following functions. Do preliminary sketches on notebook paper and put the final graphs here.*

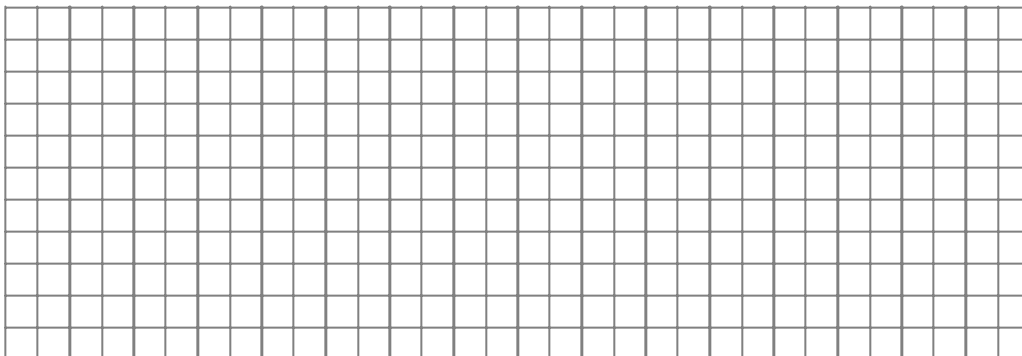
1.  $y = \cos 3x - 2$



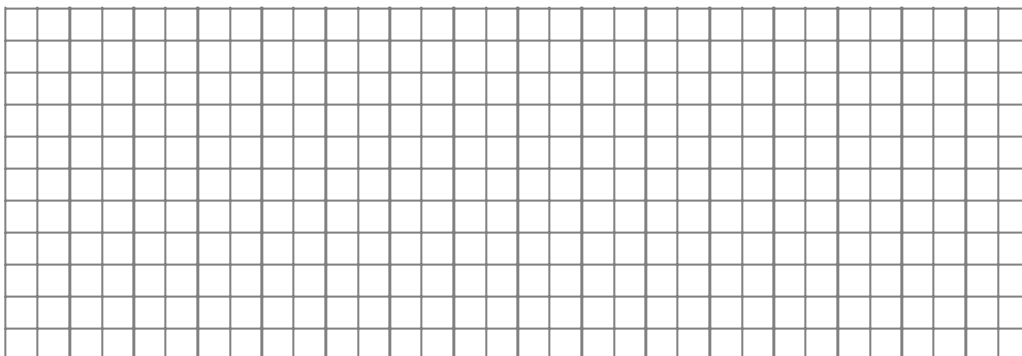
2.  $y = 2 \sec(x - 60^\circ) + 3$



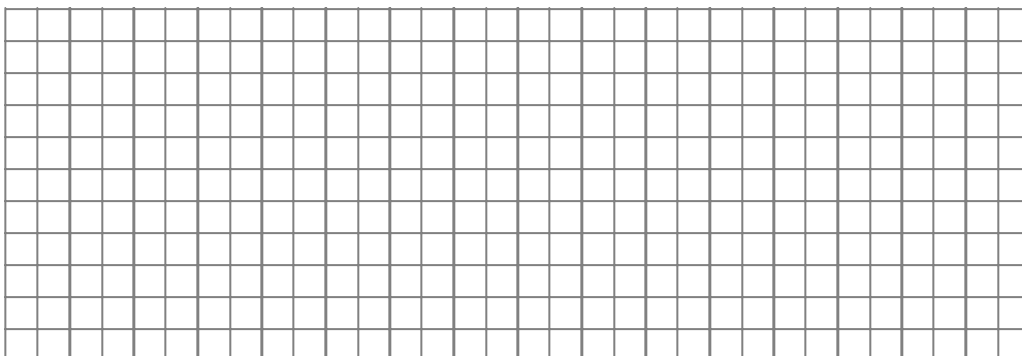
3.  $y = \tan\left(2x + \frac{\pi}{4}\right)$



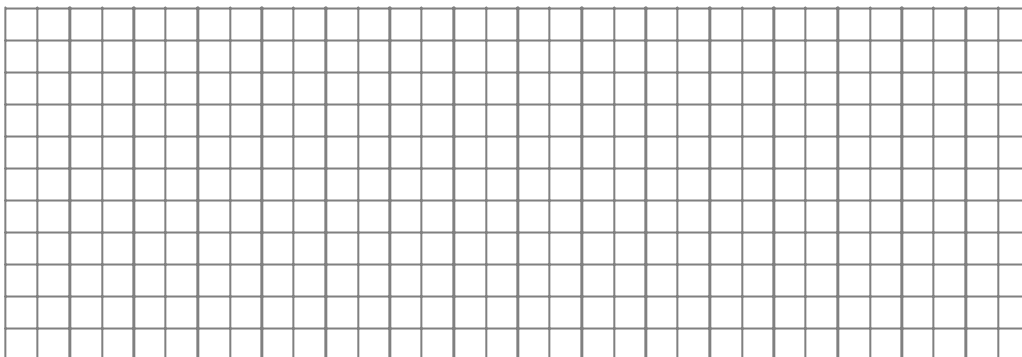
4.  $y = -\cot\left(\frac{x}{4}\right) + 3$



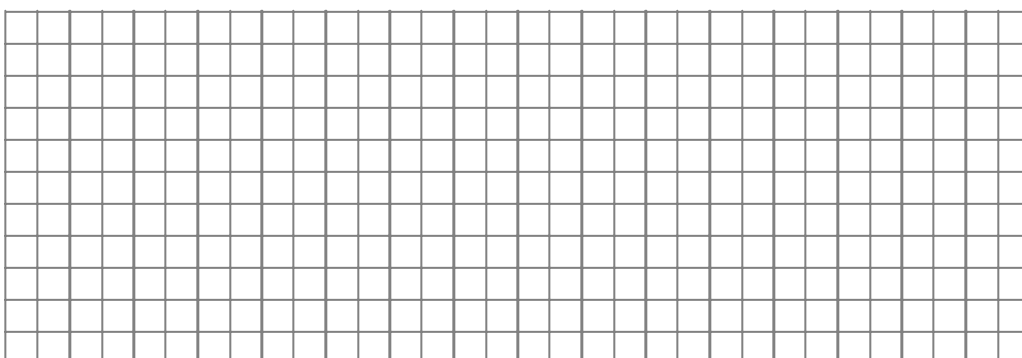
5.  $y = 2\csc\left(2x + \frac{\pi}{3}\right) - 2$



6.  $y = -2 \sec\left(\frac{x}{3} + \frac{\pi}{3}\right)$



7.  $y = \frac{1}{2} \sin(3x + 90^\circ)$



8.  $y = 3 \cot\left(x + \frac{\pi}{6}\right) - 1$

