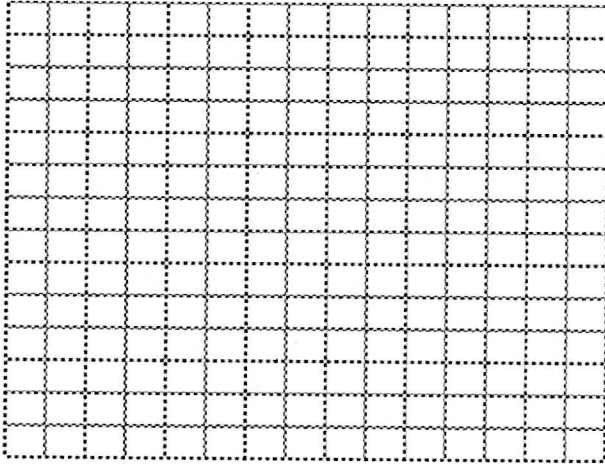


## Graphing worksheet

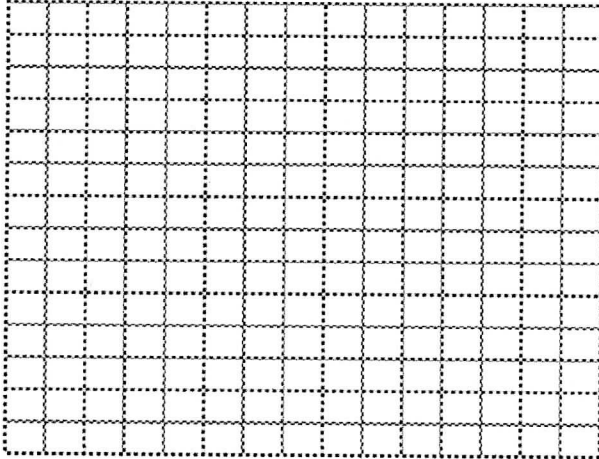
(1) Graph:  $f(x) = -2\cos\left(\frac{1}{2}x - \frac{\pi}{4}\right)$  over one period. Show your scale. Label high and low points.

Check a point.

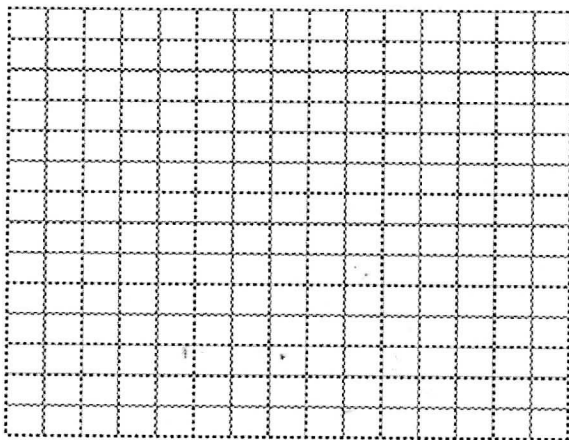


(2) Graph:  $f(x) = 4\sin\left(2x - \frac{2\pi}{3}\right)$  over one period. Show your scale. Label high and low points.

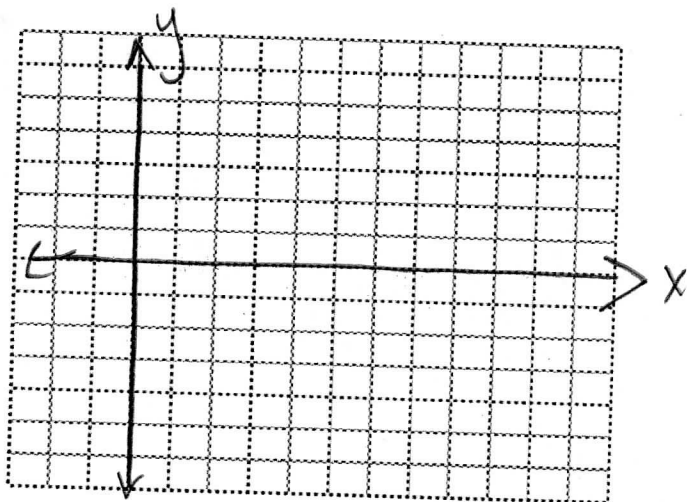
Check a point.



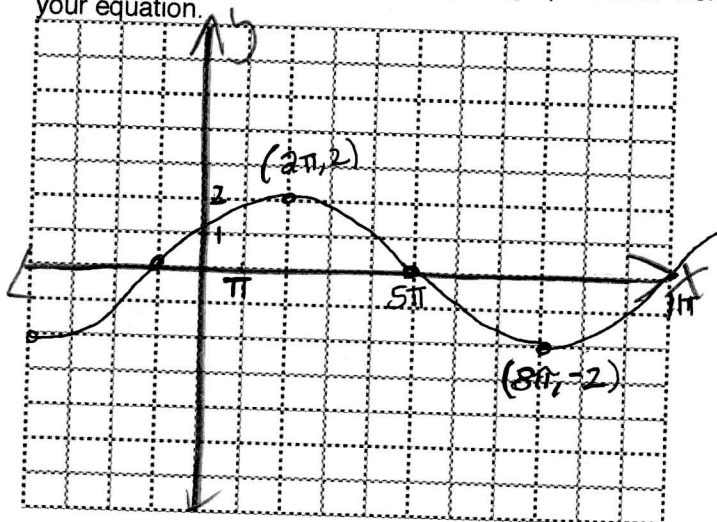
(3) Graph:  $f(x) = \tan(2\pi x)$  over two periods. Show your scale. Show asymptotes. Check a point.



(4) Graph  $y = \sec(x - \pi/4)$  over two periods. Show asymptotes.



(5) Find an equation corresponding the graph below. For one of the labeled points, check that it satisfies your equation.



(6) Find an equation corresponding the graph below. For one of the labeled points, check that it satisfies your equation.

