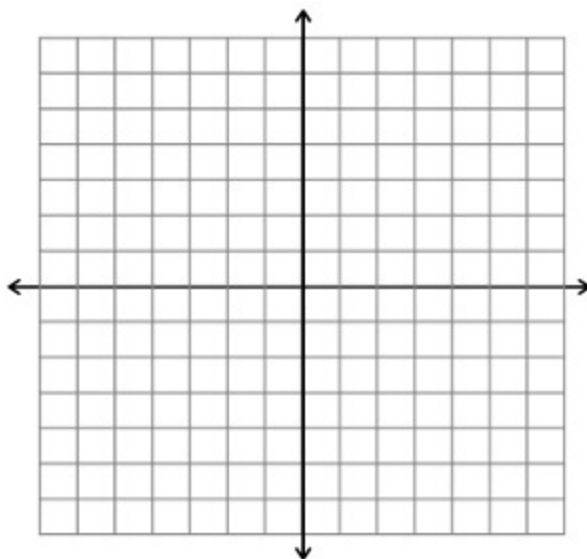


Name: \_\_\_\_\_ Mod: \_\_\_\_\_

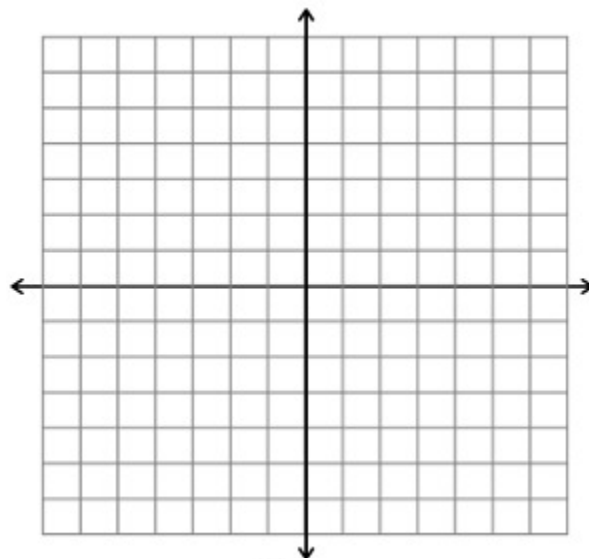
### Graphing Sine and Cosine Assignment Algebra 2/Trig Honors

Name the period, amplitude, and shifts of each equation. Then, graph each equation. (It may be helpful to graph the parent function, first- with either a dashed line or different colored line to differentiate. If you do this, be sure to label each graph.)

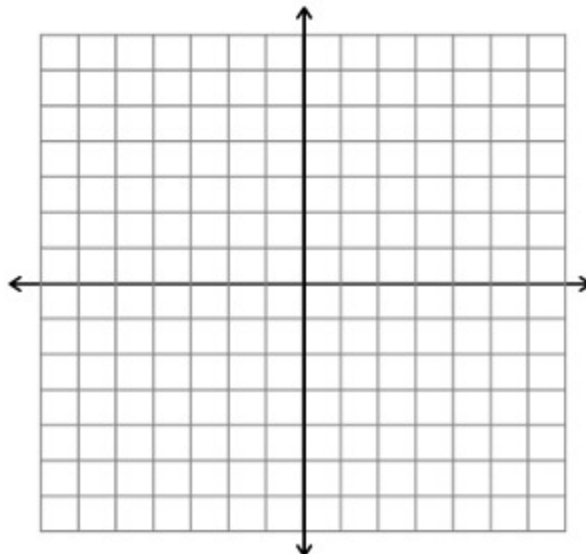
1.  $y = 3 \sin x$



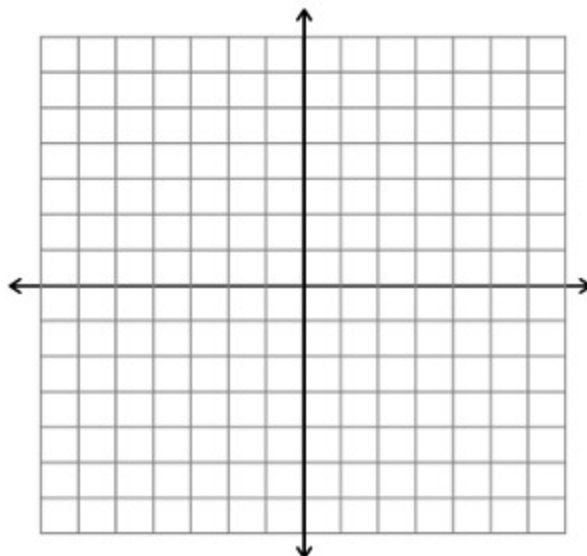
2.  $y = \frac{1}{2} \cos x$



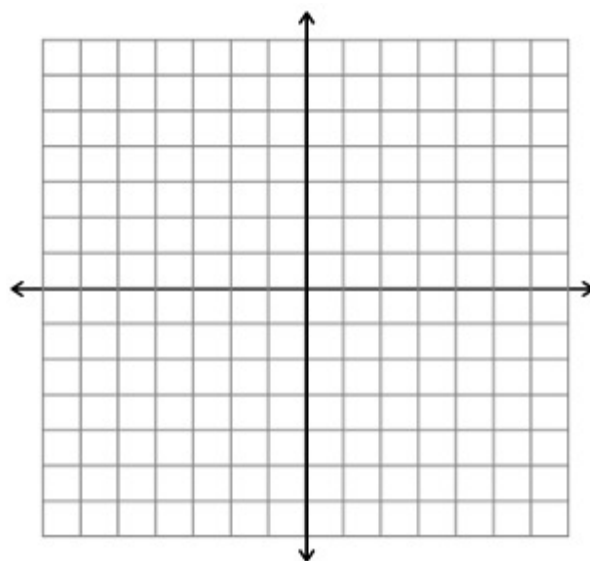
3.  $y = 4 \cos(x + \frac{\pi}{2})$



4.  $y = \sin(x) + 2$



5.  $y = 4 \sin(x) - 1$



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

