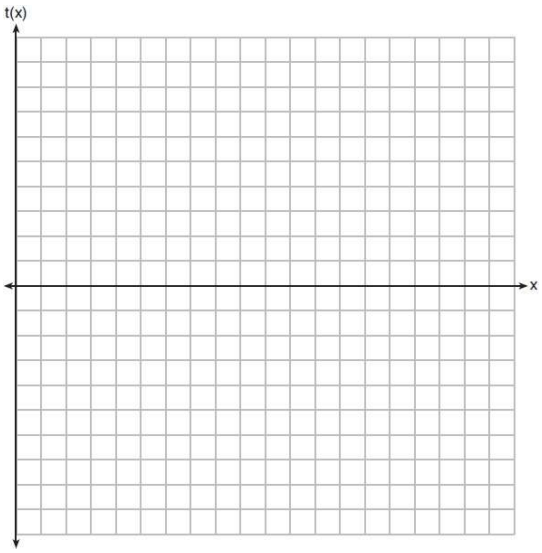
Name _____ Date _____

Mr. Schlansky Pre Calculus

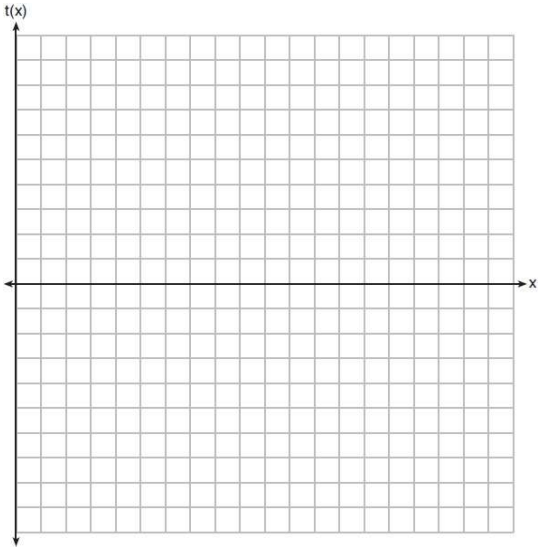
Graphing Sinusoidal Curves Over Given Domains

Graph the following two functions over the domain $[0, 2\pi]$ on the set of axes below.

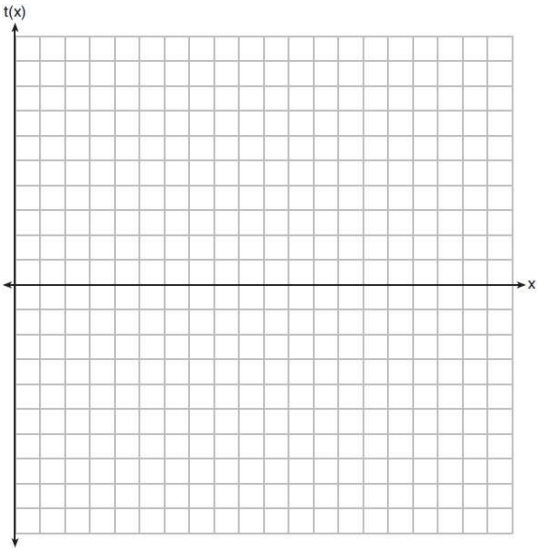
1. $t(x) = 3\sin(2x) + 2$



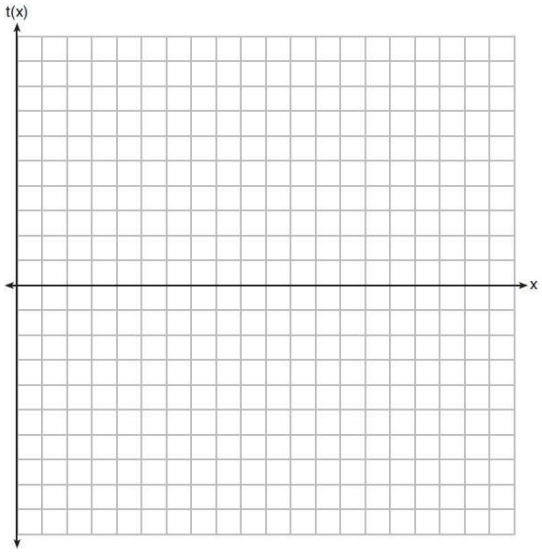
2. $y = -2\cos 4x + 1$



3. $y = -2\sin 4x + 3$

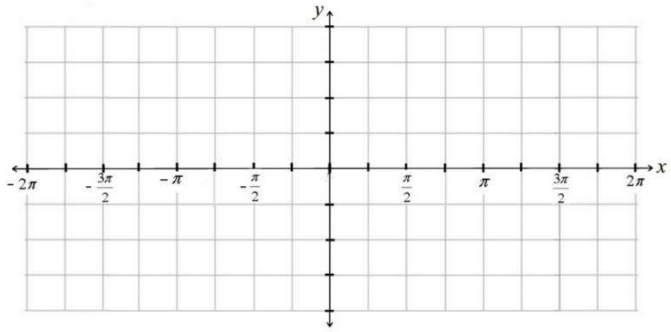


4. $y = 3\cos 2x - 5$

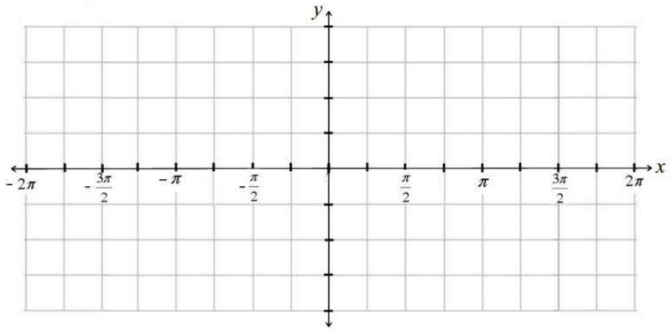


Graph the following two functions over the domain $[-2\pi, 2\pi]$ on the set of axes below.

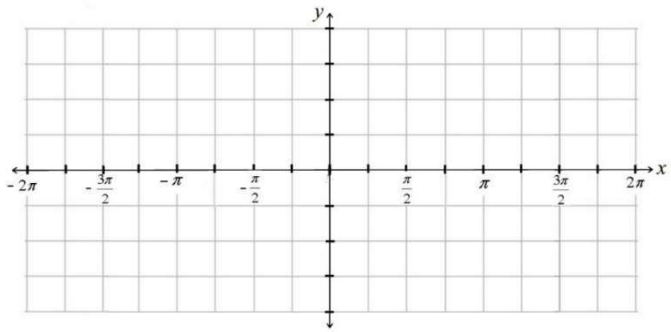
5. $y = -2\sin x + 1$



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



7. $y = -\cos 4x + 3$



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