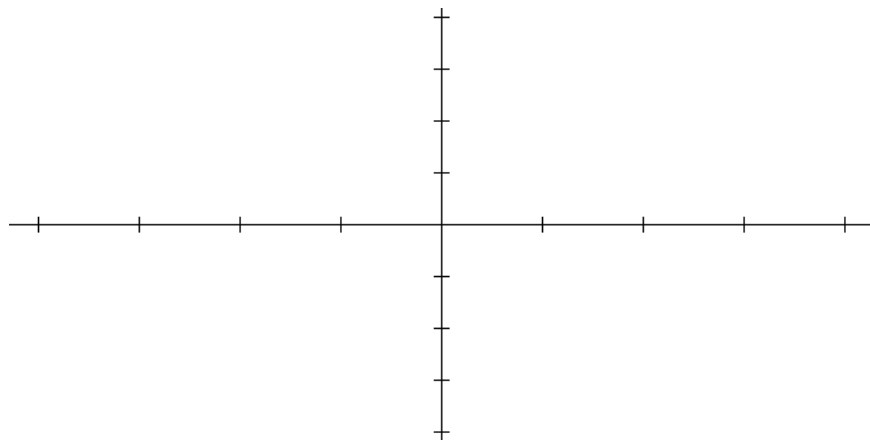


MAT 182 – Homework 4  
Sections 2.1 and 2.2

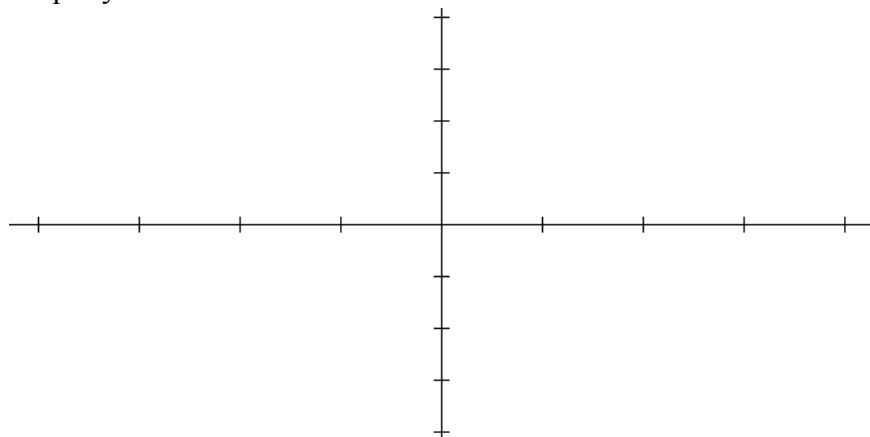
NAME \_\_\_\_\_

Directions: Show all work and write your final answer in the space provided.

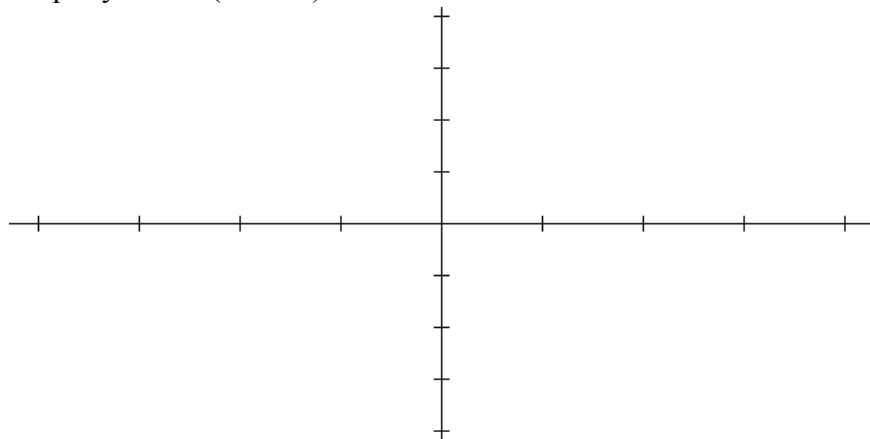
1. Graph:  $y = -2\sin x$



2. Graph:  $y = 2\cos x + 1$

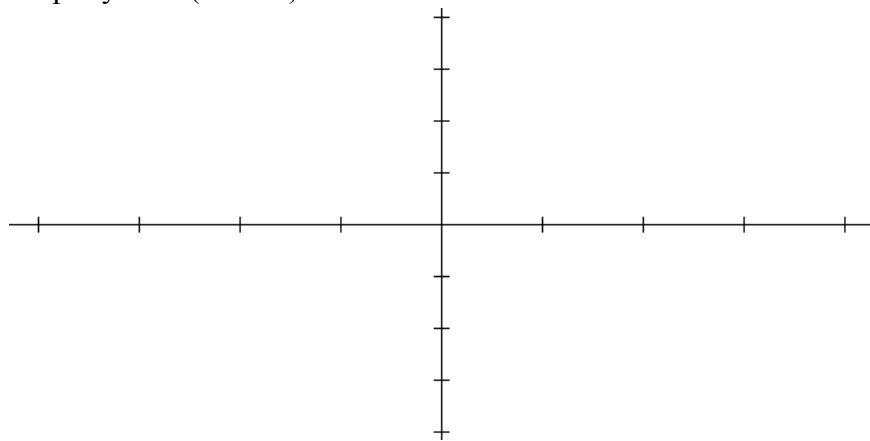


3. Graph:  $y = 3\cos(x + \pi/2)$

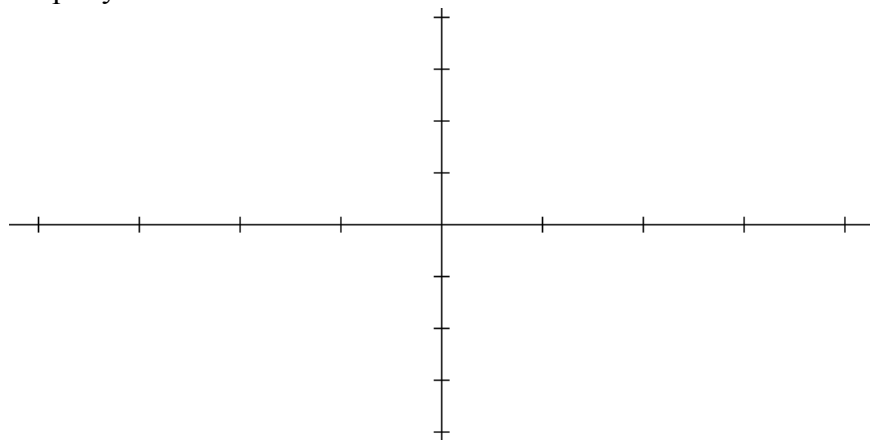




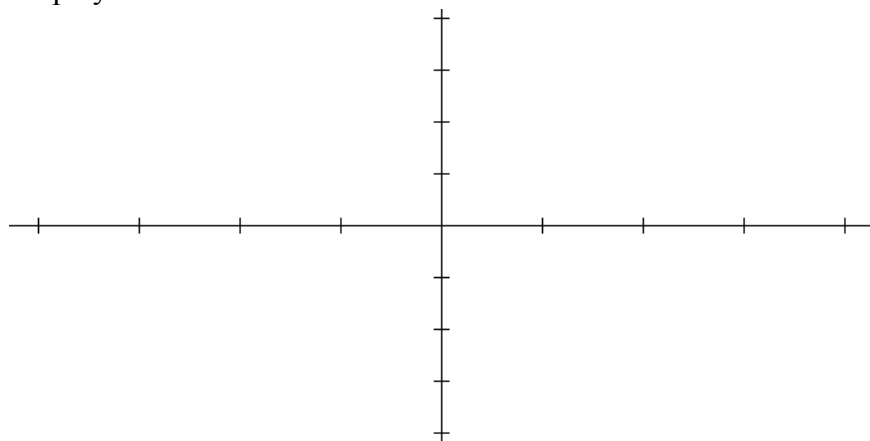
4. Graph:  $y = \sin(x - \pi/2) + 2$



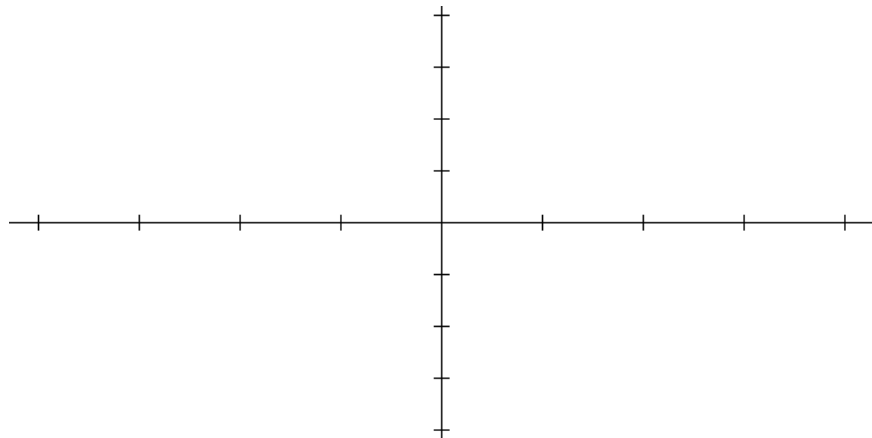
5. Graph:  $y = \sin 4x + 1$



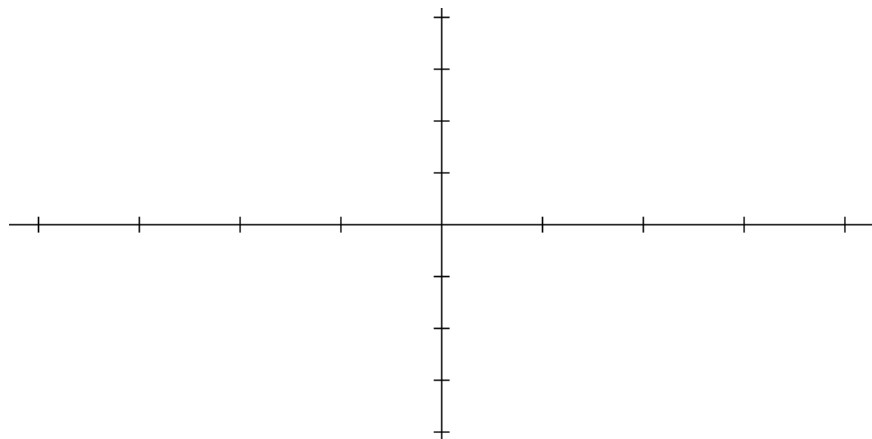
6. Graph  $y = 3\cos 2x - 1$



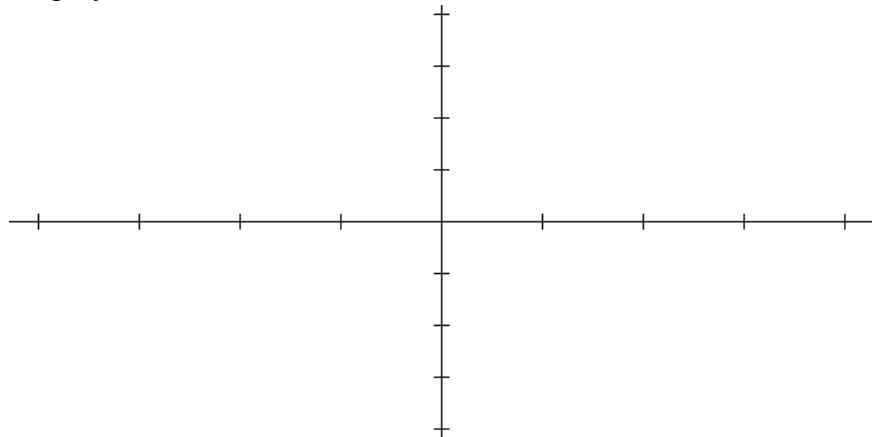
7. Graph  $y = 2 \sin 4 \left( x + \frac{\pi}{8} \right)$



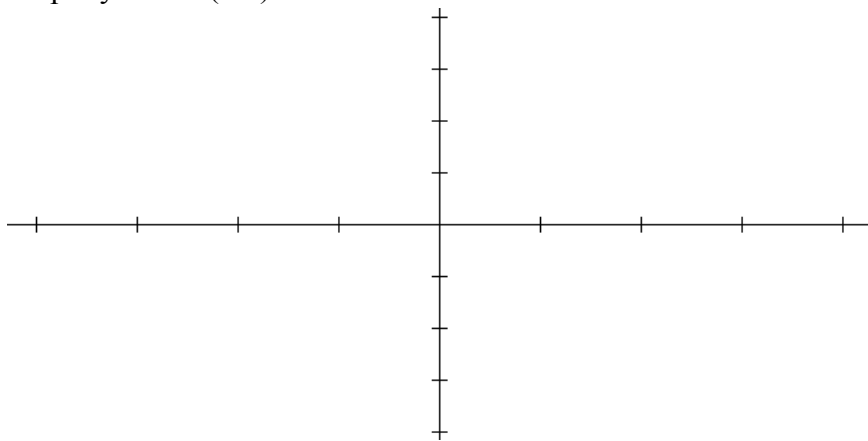
8. Graph  $y = 3 \cos \left( x - \frac{1}{2} \right)$



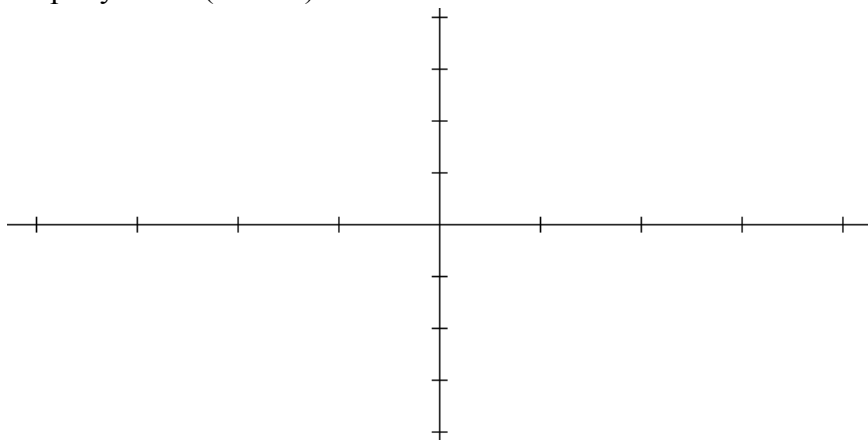
9. Graph  $y = -3 \sin 2x + 1$



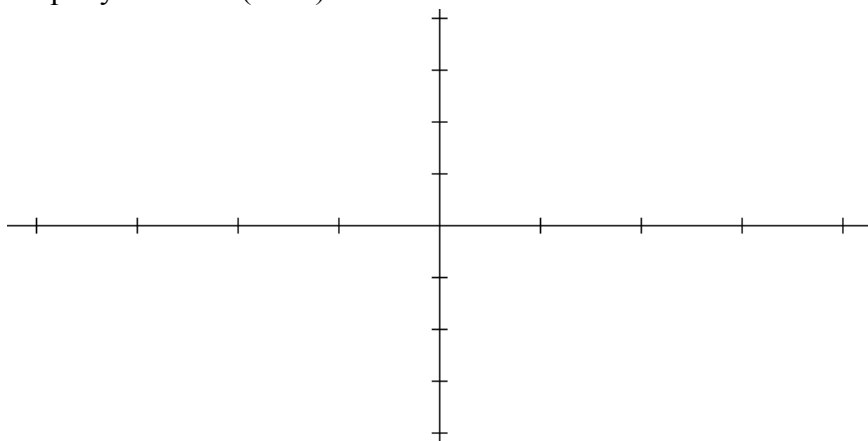
10. Graph:  $y = 2\cos(x/3)$



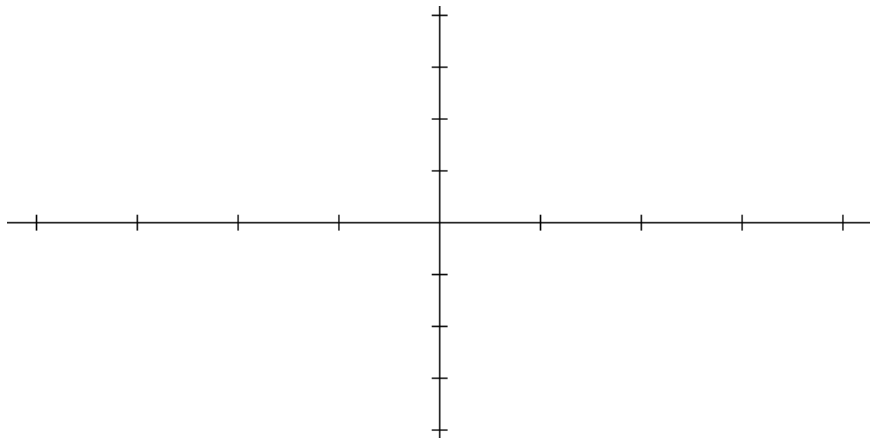
11. Graph:  $y = \sin 2(x + \pi/4) - 2$



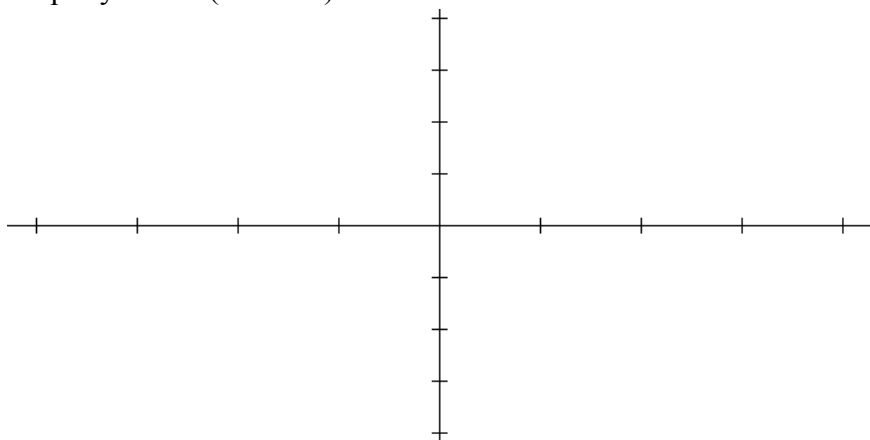
12. Graph:  $y = -3\cos\pi(x - 1) + 1$



13. Graph  $y = 2 \sin\left(5x + \frac{\pi}{2}\right) - 1$



14. Graph:  $y = 2 \cos(3x - \pi/2) - 1$



15. Graph:  $y = -2 \sin(7x + \pi) + 2$

