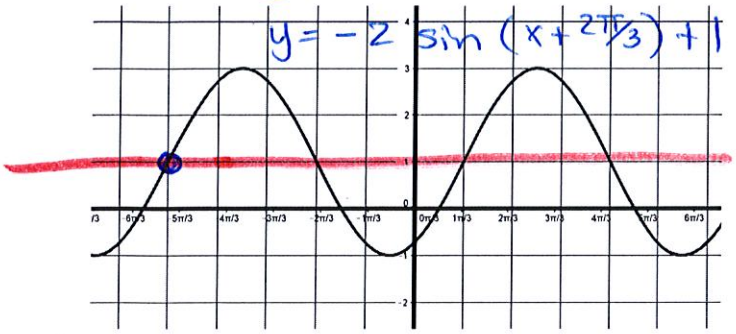
6.2 Day 3 Worksheet

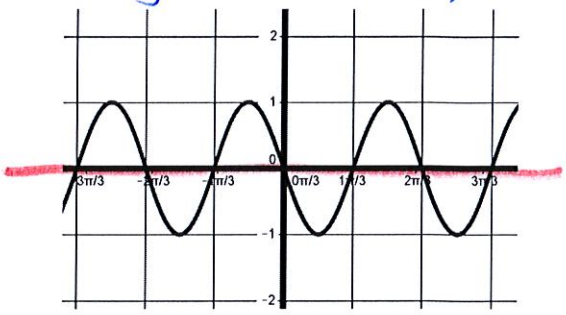
I. Write the equation of each graph in terms of sine.

1. $y = 2\sin(x + 5\pi/3) + 1$

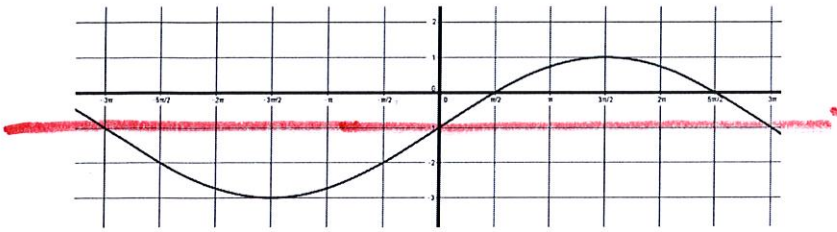
$y = -2\sin(x + 2\pi/3) + 1$



2. $y = -\sin(3x)$

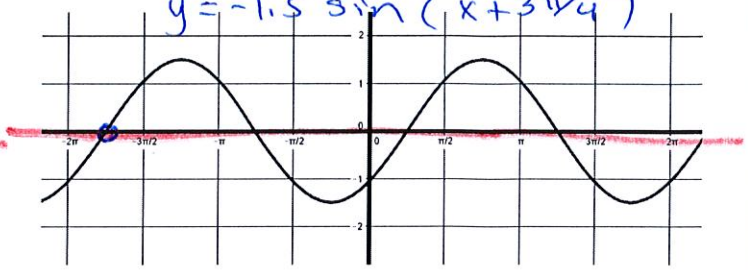


3. $y = -2\sin\frac{1}{2}(x + 3\pi) - 1$



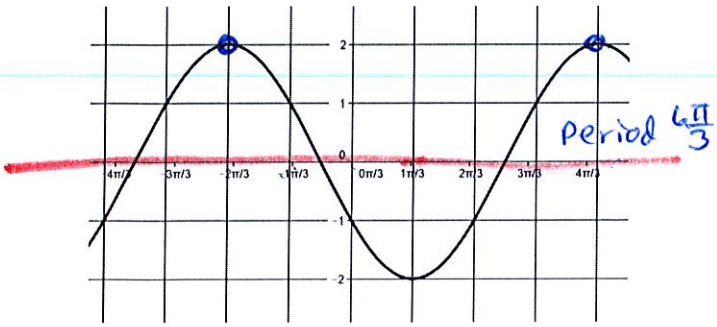
4. $y = 1.5\sin(x + 7\pi/4)$

$y = -1.5\sin(x + 3\pi/4)$

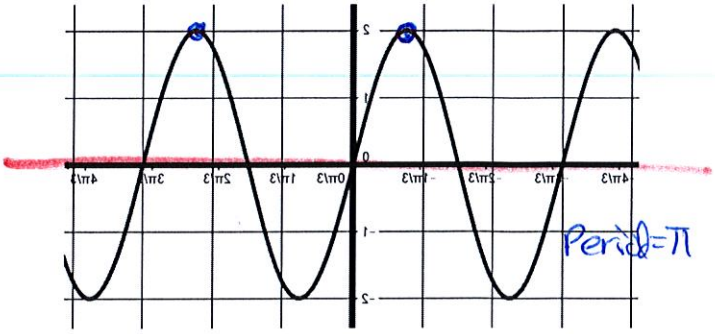


II. Write the equation of each graph in terms of cosine.

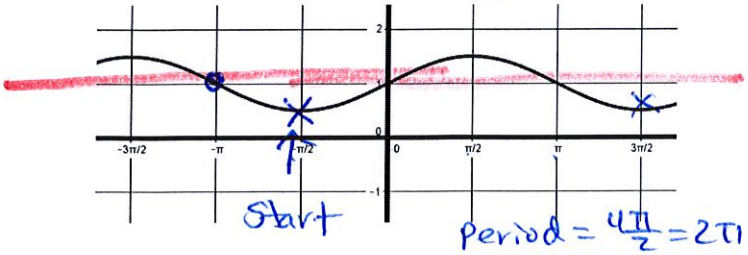
5. $y = 2\cos(x + 2\pi/3)$



6. $y = 2\cos 2(x + 3\pi/4)$



7. $y = -\frac{1}{2}\cos\frac{1}{2}(x + \pi/2) + 1$



8. $y = 1\cos\frac{1}{2}(x + 2\pi) - 2$