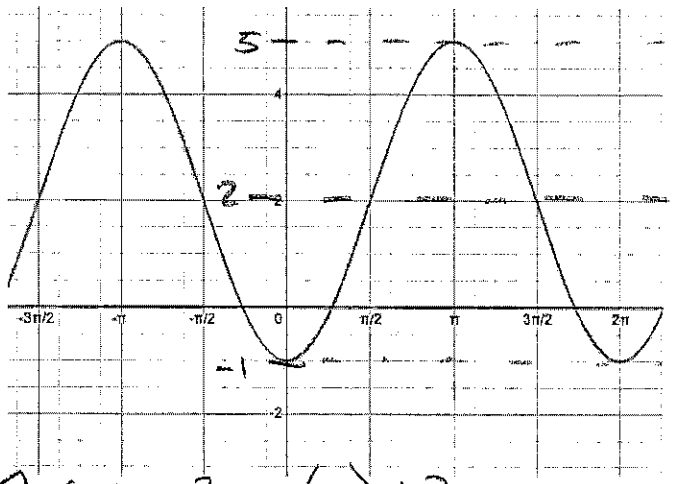
Key

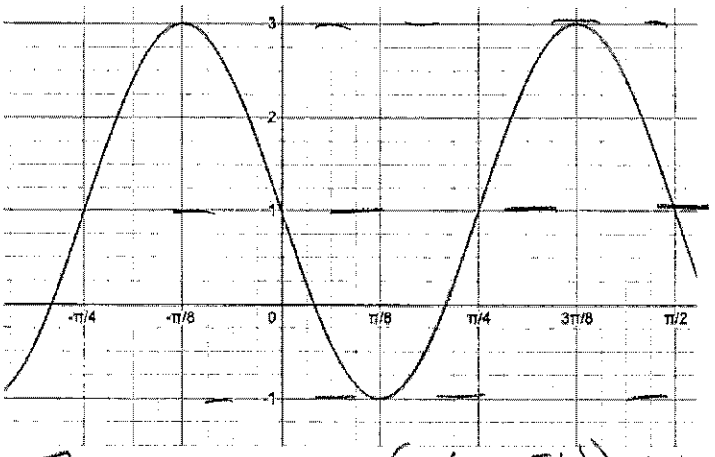
Graph to Equation Review Problems:

Given each graph shown, write two equations that could match the graph. One equation should be a sine equation, and the other should be a cosine equation.



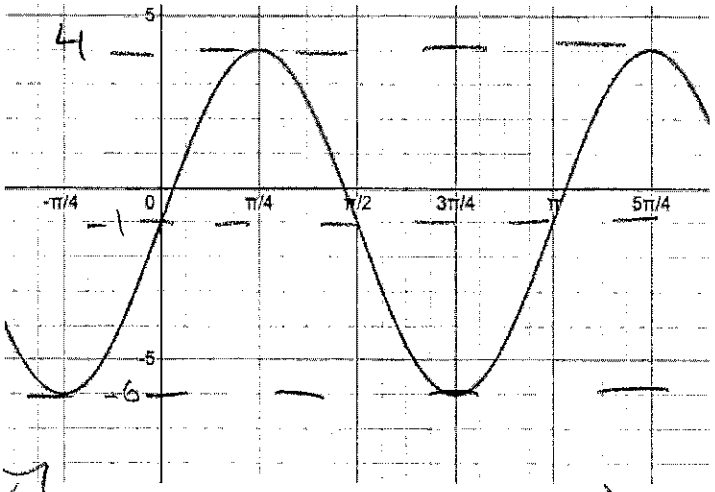
$y = -3\cos(x) + 2$

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



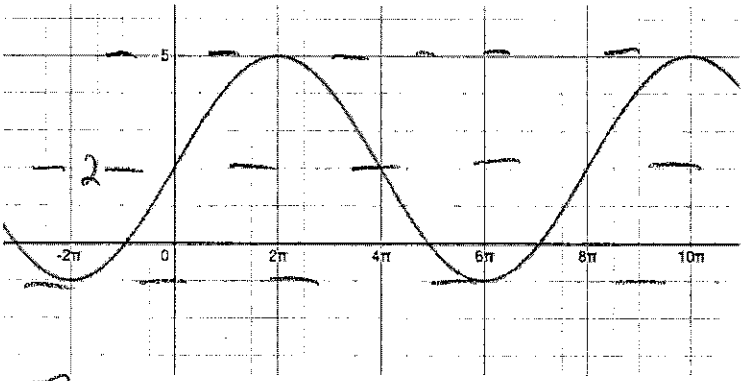
$y = -2\cos(4(x - \pi/8)) + 1$

$y = -2\sin(4x) + 1$



$y = 5\cos(2(x - \pi/4)) - 1$

$y = 5\sin(2x) - 1$



$y = 3\sin\left(\frac{1}{4}x\right) + 2$

$y = -3\cos\left(\frac{1}{4}(x + 2\pi)\right) + 2$