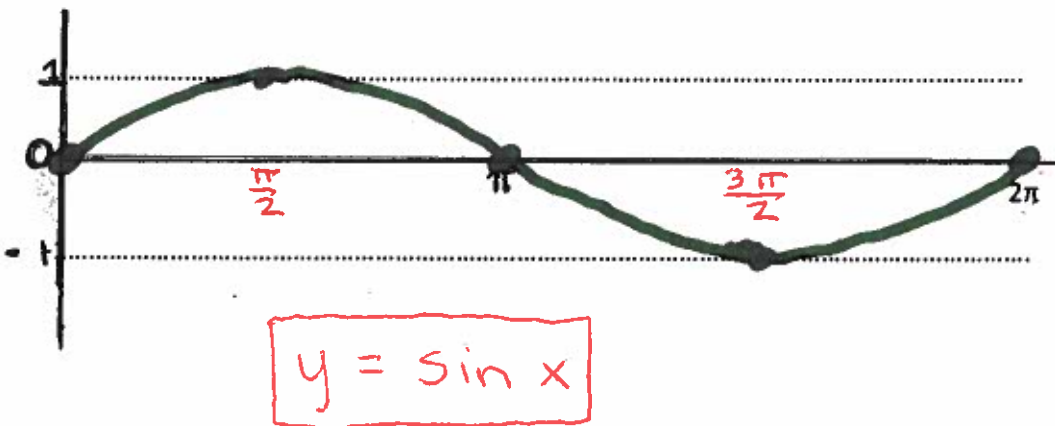


Unit 8 Obj. 7 – The Graph of Sine θ

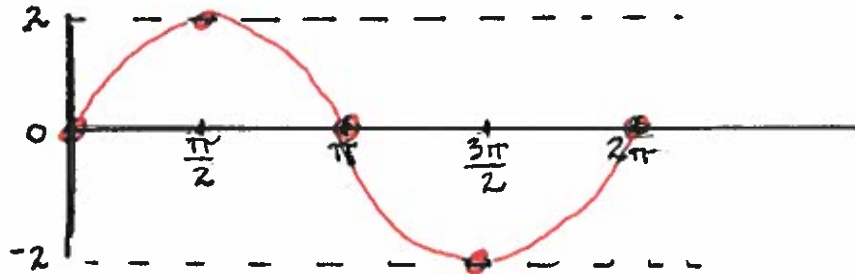
We're going to explore the graph of $y = \sin x$ and see that it ends up looking like this:



From all the previous graphing we've done this year, identify the following transformations:

$y = 2 \sin x$

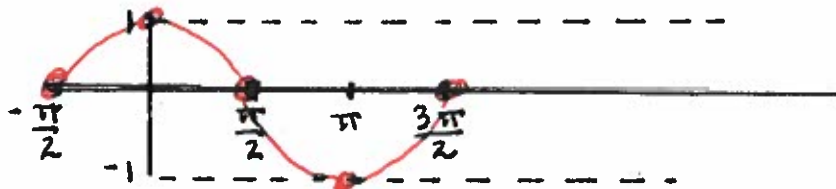
Amp = 2



$y = \sin(x + \frac{\pi}{2})$

Amp = 1

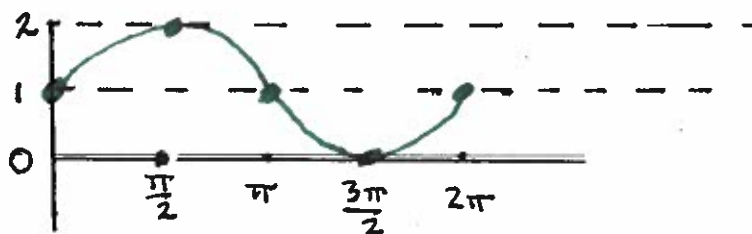
Shift of $\frac{\pi}{2}$ to left



$y = \sin x + 1$

Amp = 1

Shift 1 up



$y = -\sin x$

Amp = 1

reflect across the x-axis

