EX III

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

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

Amplitude $= |-2| = 2$

Period $= 2\pi/2 = \pi$

Phase Shift $= \pi/2$ to the right

V.T. $= 3\uparrow$

x	X	X	Y	Y
0	0	$\pi/2$	0	3
$\pi/2$	$\pi/4$	$3\pi/4$	-2	1
π	$\pi/2$	π	0	3
$3\pi/2$	$3\pi/4$	$5\pi/4$	2	5
2π	π	$3\pi/2$	0	3

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