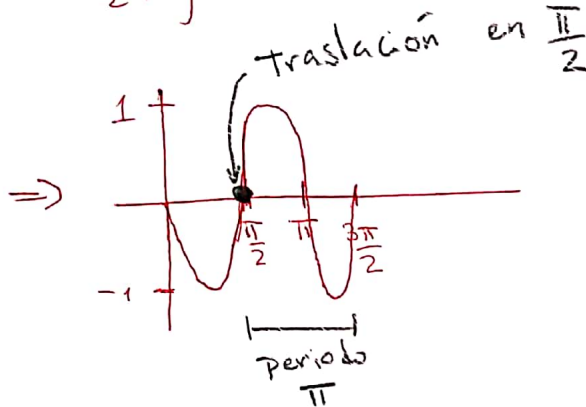
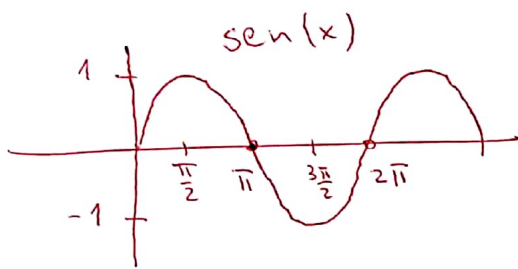


Grafique $t(x) = 2 \sin(2x - \pi) + 3$

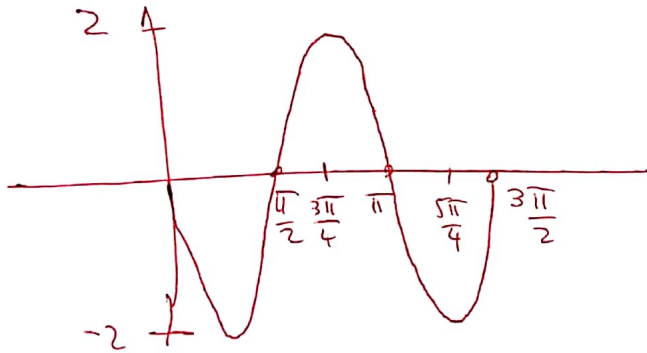
$$t(x) = 2 \sin\left(2\left(x - \frac{\pi}{2}\right)\right) + 3$$

↑
traslada la función en $\frac{\pi}{2}$
Divide el periodo en 2 $\Rightarrow$ Nuevo periodo es π

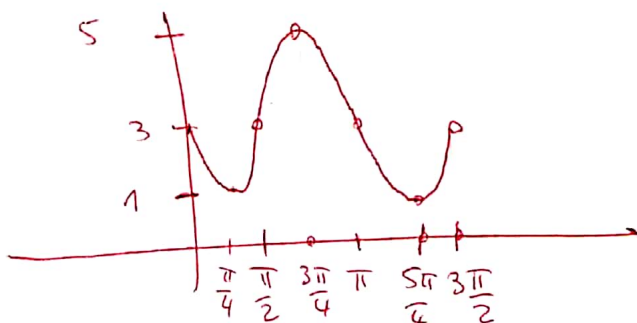
1- graficamos $\sin\left(2\left(x - \frac{\pi}{2}\right)\right)$



2- Graficamos $2 \sin\left(2\left(x - \frac{\pi}{2}\right)\right)$



3.- Graficamos $2 \sin\left(2\left(x - \frac{\pi}{2}\right)\right) + 3$



Periodo: π Desfase: $\frac{\pi}{2}$
Eje Olla: $y = 3$ Amp: 2
Ceros: No hay
 $X_{min}: \frac{\pi}{4} + k\pi$
 $V_{min}: 1$
 $X_{max}: \frac{3\pi}{4} + k\pi$
 $V_{max}: 5$