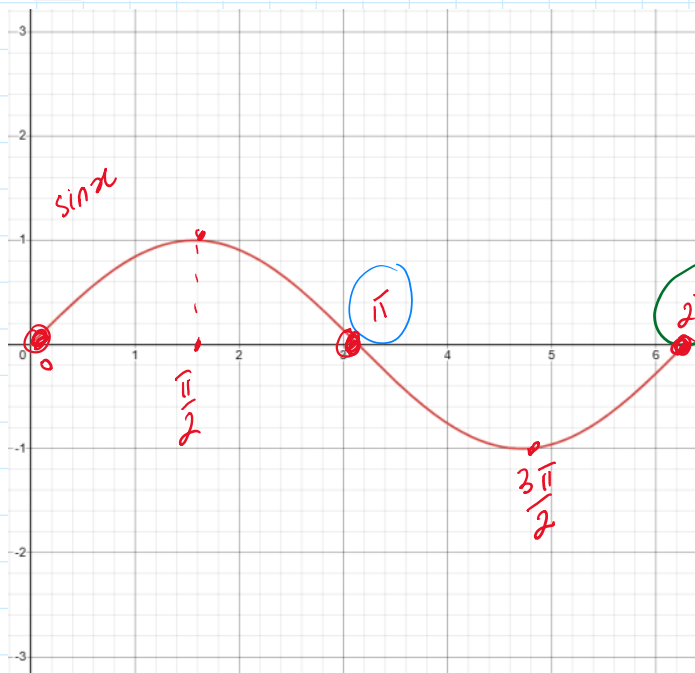


Your Turn

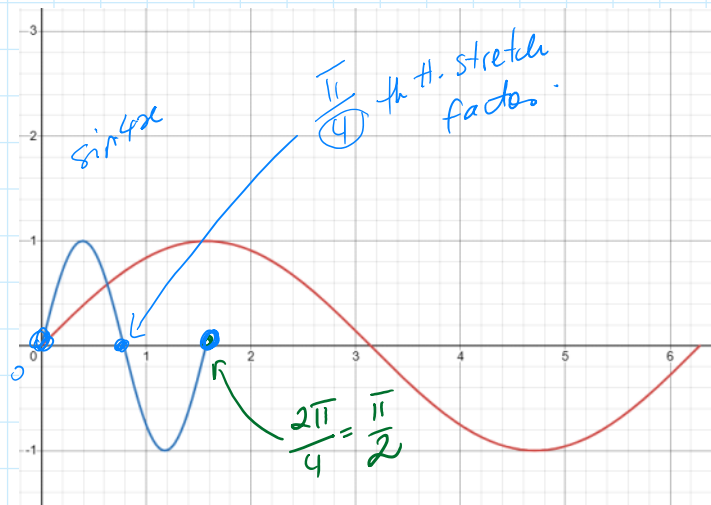
- a) Graph $y = 3 \sin 4x$, showing at least two cycles.
 b) Determine
- the amplitude
 - the period
 - the maximum and minimum values
 - the x-intercepts and the y-intercept
 - the domain and range

<https://www.desmos.com/calculator/ydsodpfung>

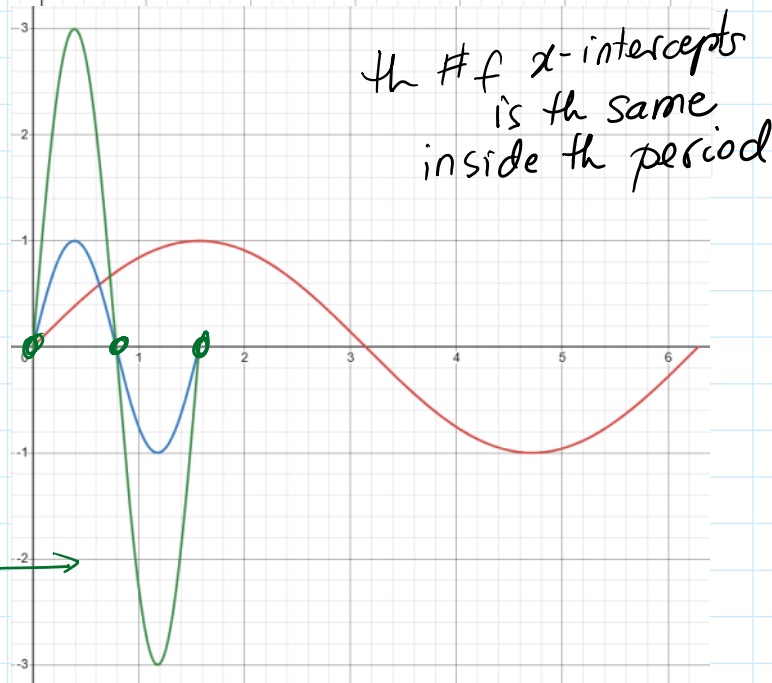
1 $y = \sin x \{ 0 \leq x \leq 2\pi \}$



2 $y = \sin 4x \{ 0 \leq x \leq \frac{2\pi}{4} \}$



3 $y = 3 \sin 4x \{ 0 \leq x \leq \frac{2\pi}{4} \}$



alongating the curve
 mks no diff. in
 the # of x intercepts