Algebra 2 Weds. 1-30-13 Class Notes

WS Practice

(37) $y = \frac{1}{7} \cdot \sin\left(\frac{\theta}{7} - 90\right) + 3$

Amp = $\left|\frac{1}{7}\right|$

per. = 2520°

h.s. = 90° →

V.s = 3↑

$a = \left|\frac{1}{7}\right|$

$b = \left|\frac{1}{7}\right| = \frac{360}{\frac{1}{7}}$

$h = 90^\circ$

$k = 3$

---

(40) $y = \frac{1}{2} \cdot \sin(3\theta + 210) - 3$

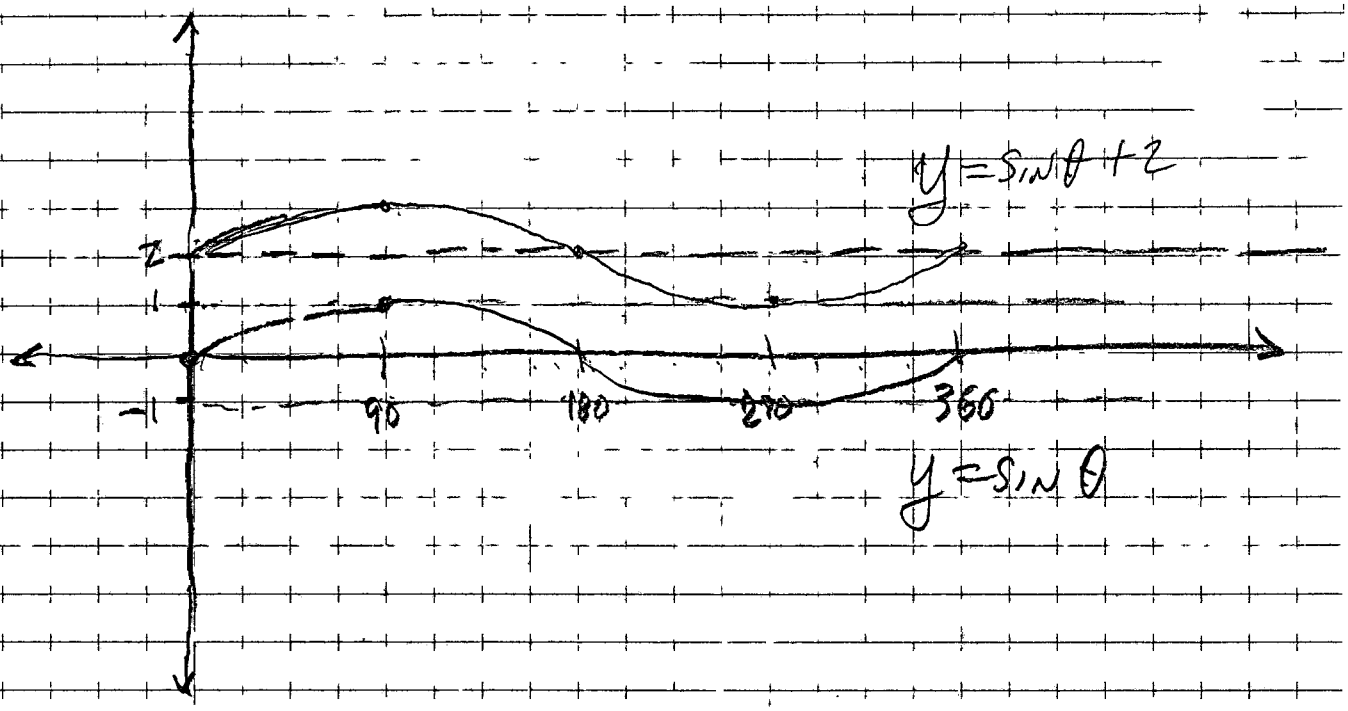
amp = $\left|\frac{1}{2}\right|$

per. = 120°

h.s. = 210° ←

V.s = 3↓

(32) $y = \sin\theta + 2$ (Ch. 11-3)



(37)

WolframAlpha computational knowledge engine

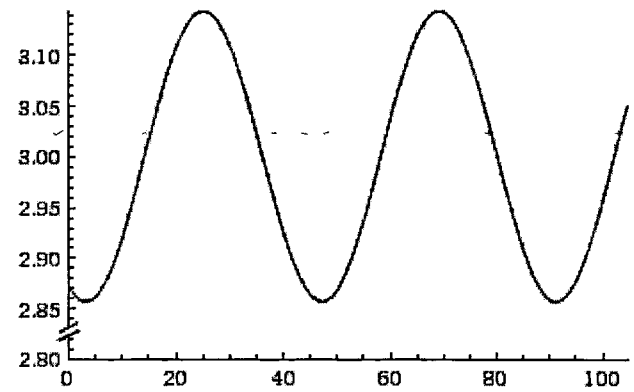
Plot y=(1/7)*sin((1/7)x -90)+3 , 0<x <6000 Degrees

Examples Random

Input interpretation:

plot	$\frac{1}{7}\sin\left(\frac{1}{7}x - 90\right) + 3$	$x = 0$ to $6000°$

Plot:



X AXIS IS IN RADIANS

Enable interactivity

Computed by Wolfram *Mathematica*

Download page

$6000 \text{ deg} \cdot \frac{\pi \text{ rad}}{180 \text{ deg}} \approx 104.7 \text{ radians}$