

$$y = 3 \sin \left( 3\theta - \frac{5\pi}{6} \right) + 2$$

$$A = 3$$

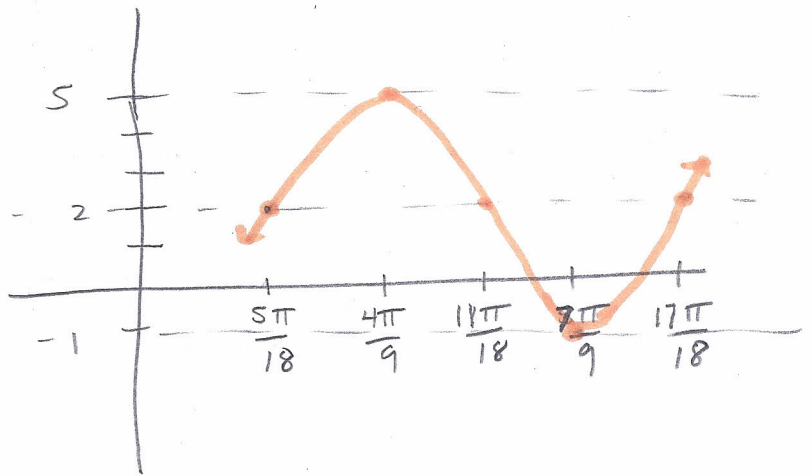
$$\text{Per} = \frac{2\pi}{3}$$

$$\text{P.S.} = \frac{5\pi}{18}$$

$$\text{V.S.} = 2$$

$\frac{5\pi}{18}$	2
$\frac{8\pi}{18} = \frac{4\pi}{9}$	5
$\frac{11\pi}{18}$	2
$\frac{14\pi}{18} = \frac{7\pi}{9}$	-1
$\frac{17\pi}{18}$	2

$$\frac{2\pi}{3} \cdot \frac{1}{4} = \frac{\pi}{6} = \frac{3\pi}{18}$$



$$y = -1 + 4 \cos \left( 4\theta - \frac{\pi}{6} \right)$$

$$A = 4$$

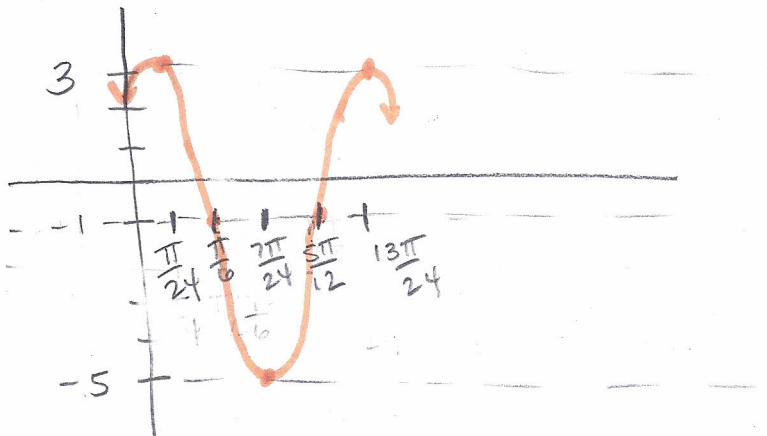
$$\text{Per} = \frac{\pi}{2}$$

$$\text{P.S.} = \frac{\pi}{24}$$

$$\text{V.S.} = 1$$

$\frac{\pi}{24}$	3
$\frac{\pi}{6}$	-1
$\frac{7\pi}{24}$	-5
$\frac{10\pi}{24} = \frac{5\pi}{12}$	-1
$\frac{13\pi}{24}$	3

$$\frac{\pi}{2} \cdot \frac{1}{4} = \frac{\pi}{8} = \frac{3\pi}{24}$$



$$y = 4 \cos \left( 3\theta - \frac{\pi}{4} \right)$$

$$A = 4$$

$$\text{Per} = \frac{2\pi}{3}$$

$$\text{P.S.} = \frac{\pi}{12}$$

$$\text{V.S.} = \text{none}$$

$\frac{\pi}{12}$	4
$\frac{3\pi}{12} = \frac{\pi}{4}$	0
$\frac{5\pi}{12}$	-4
$\frac{7\pi}{12}$	0
$\frac{9\pi}{12} = \frac{3\pi}{4}$	4

$$\frac{2\pi}{3} \cdot \frac{1}{4} = \frac{\pi}{6} = \frac{2\pi}{12}$$

