

Graph 3 cycles, find amplitude, period, & phase shift.

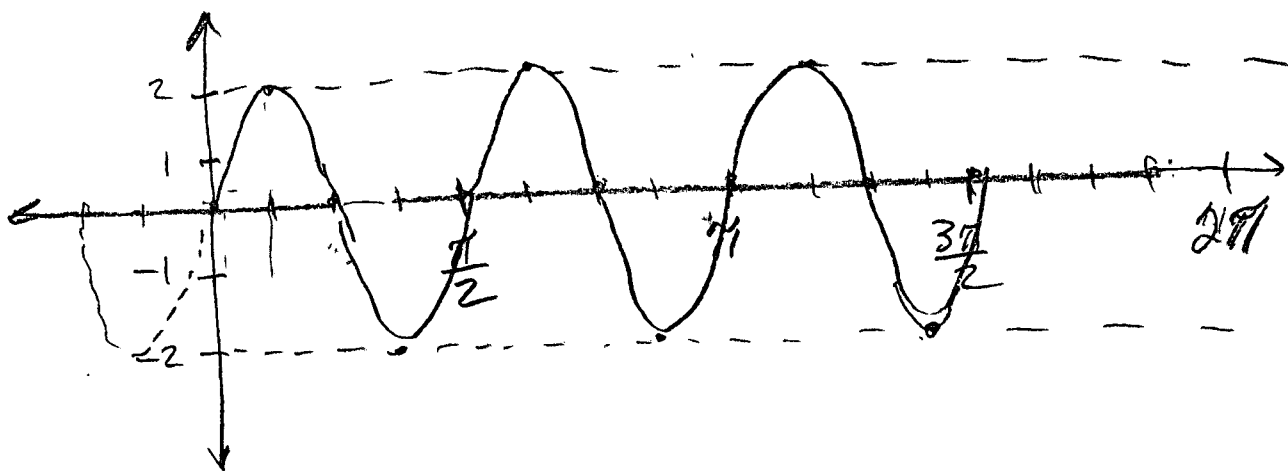
(13) $y = 2\sin 4x$
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$$|A| = 2$$

$$|B| = 4 \therefore P = \frac{2\pi}{4}$$

$$P = \frac{\pi}{2}$$

NO PHASE SHIFT
NO VERTICAL SHIFT



(15)
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$$y = \cos\left(x - \frac{\pi}{2}\right)$$

↙

$$0 \leq x - \frac{\pi}{2} \leq 2\pi$$

$$+\frac{\pi}{2} \quad +\frac{\pi}{2} \quad +\frac{\pi}{2}$$

$$\frac{\pi}{2} \leq x \leq \frac{5\pi}{2}$$

$$A = |1|$$

$$B = |1|$$

$$\therefore P = 2\pi$$

$$C = \frac{\pi}{2}$$

⇒ shift →

D = 0 = NO
VERTICAL
SHIFT

