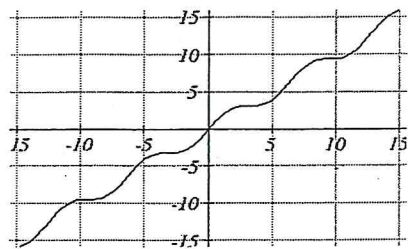


Graphs of Periodic Functions Review

Key

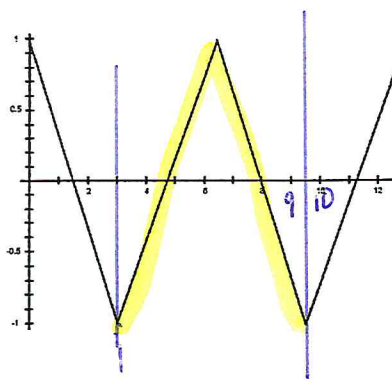
DIRECTIONS: Determine if the following graphs represent periodic functions. If not, explain why. If the graph is periodic, find the period.

1)



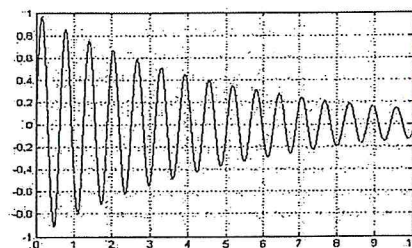
No - the y's do not repeat - they keep getting higher

2)



$$p = 9 - 3 = 6$$

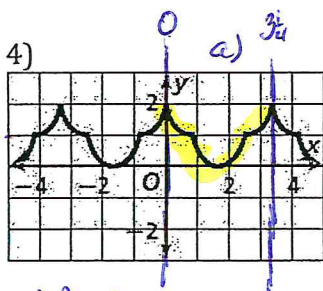
3)



No, the y's do not repeat, they keep decreasing

DIRECTIONS: (a) Highlight one cycle of each of the following periodic graphs. (b) Find the period. (c) Find the amplitude.

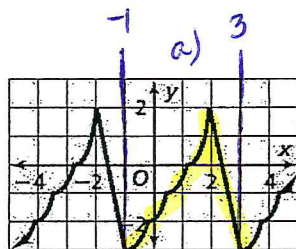
4)



$$b) p = 2$$

$$c) \text{amp} = \frac{2 - (-2)}{2} = \frac{4}{2} = 2$$

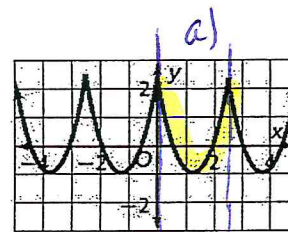
5)



$$b) p = 2$$

$$c) \text{amp} = \frac{2 - (-2)}{2} = \frac{4}{2} = 2$$

6)



$$b) p = 2$$

$$c) \text{amp} = \frac{2 - (-2)}{2} = \frac{4}{2} = 2$$

DIRECTIONS: Graph one ⁺cycle of each of the following trig functions. YOU MUST INCLUDE A TABLE.

$$7) y = 2\sin\theta \quad a = 2, b = 1 \quad p = 2\pi/1 = 2\pi$$

θ	y
0	0
$\pi/2$	2
π	0
$3\pi/2$	-2
2π	0

