

Pre-Calculus Academic
Sine/Cosine Graphing Review

Name: _____
Date: _____ **Pd.** _____

GRAPH EACH FUNCTION.

1. $y = \frac{1}{3} \cdot \sin 2\theta$

Period: _____

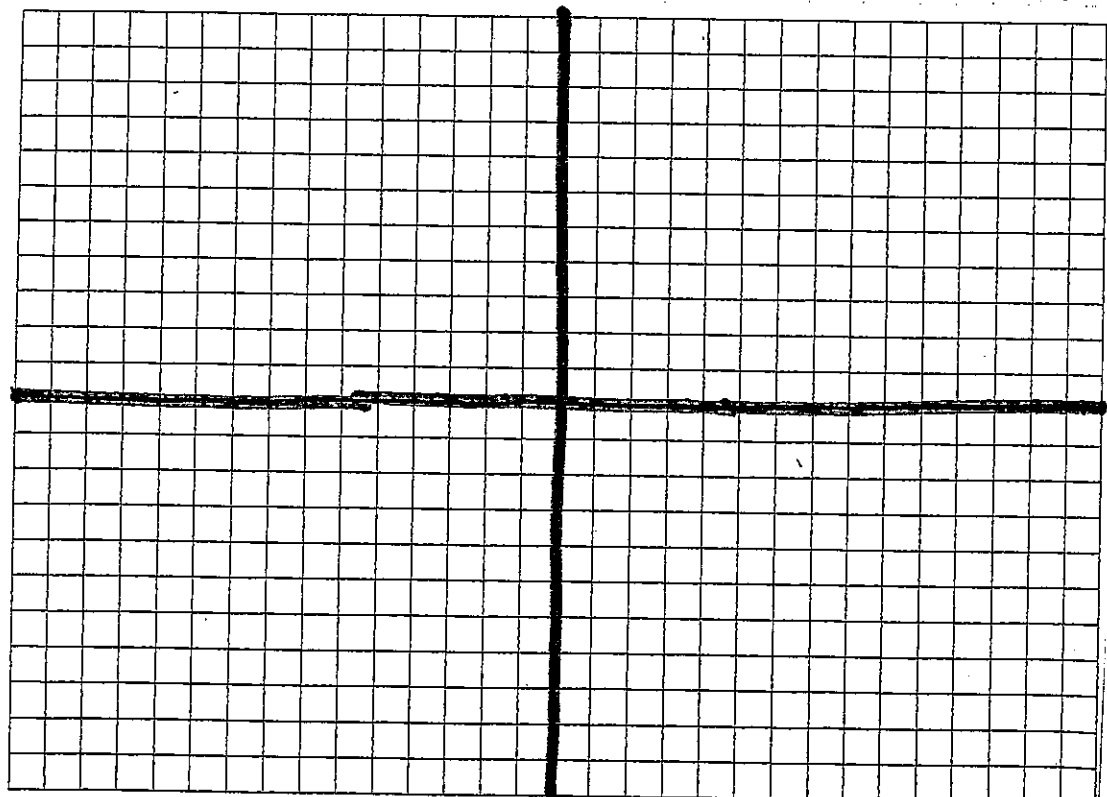
Interval: _____

Vertical Shift: _____

Phase Shift: _____

X-Scale: _____

θ	y



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

Period: _____

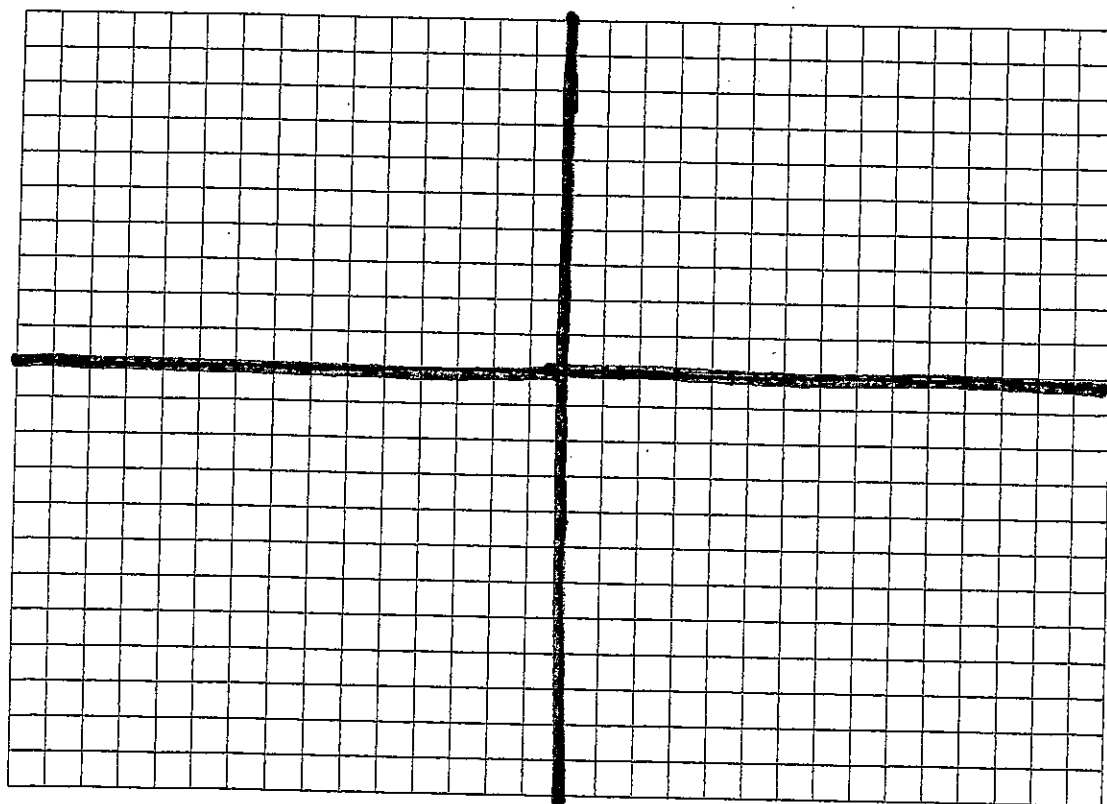
Interval: _____

Vertical Shift: _____

Phase Shift: _____

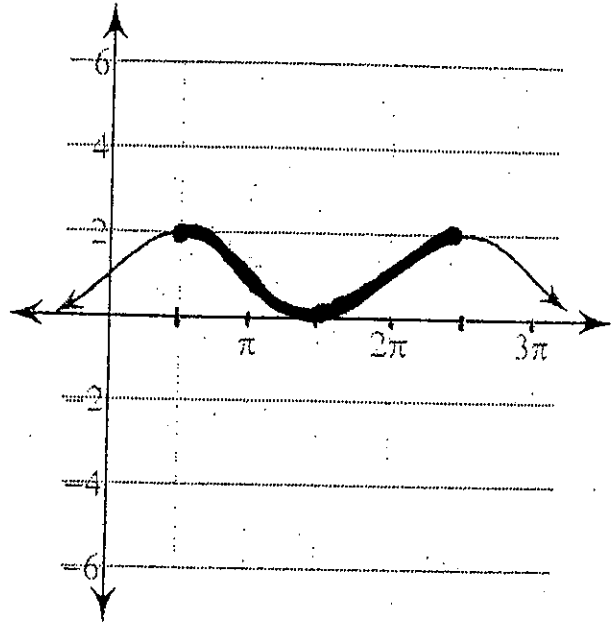
X-Scale: _____

θ	y



EXAMINE THE GRAPH BELOW AND DETERMINE THE AMPLITUDE, PERIOD, PHASE SHIFT AND VERTICAL SHIFT USING COSINE OR SINE AS THE PARENT FUNCTION.

3.



Amplitude: _____

Period: _____

Phase Shift: _____

Vertical Shift: _____

Function: _____

IDENTIFY THE AMPLITUDE, PERIOD, PHASE SHIFT AND VERTICAL SHIFT OF THE FOLLOWING TRIG FUNCTION.

4. $y = 8 - \sin\left(\frac{3x}{4}\right)$

Amplitude: _____

Period: _____

Phase Shift: _____

Vertical Shift: _____

GIVEN THE FOLLOWING INFORMATION ABOUT THE TRIG FUNCTION, WRITE A POSSIBLE EQUATION.

5. Cosine Function

$$\text{Amplitude} = 6$$

$$\text{Period} = 2\pi$$

$$\text{Phase Shift} = -\frac{\pi}{2}$$

$y =$ _____