QUEST – FRIDAY, JUNE 7TH

NAME: _____ HOUR: _____

GRAPHING SINE AND COSINE STUDY GUIDE

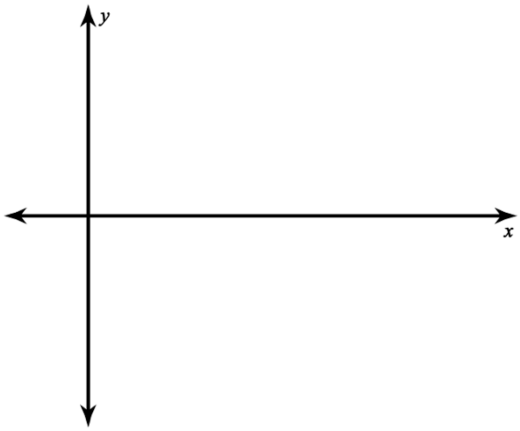
DIRECTIONS: FIND THE PERIOD AND AMPLITUDE OF EACH FUNCTION, THEN GRAPH.

1. $y = 2 \sin\theta$

AMPLITUDE:

PERIOD:

x					
y					

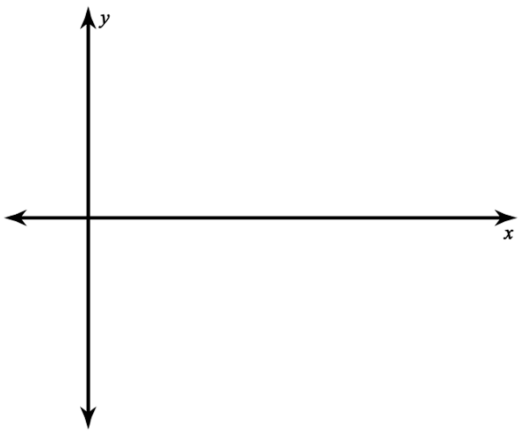


2. $y = \cos 2\theta$

AMPLITUDE:

PERIOD:

x					
y					

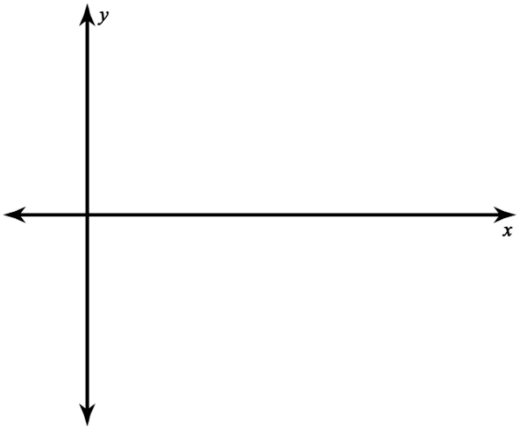


3. $y = -6 \cos 4\theta$

AMPLITUDE:

PERIOD:

x					
y					

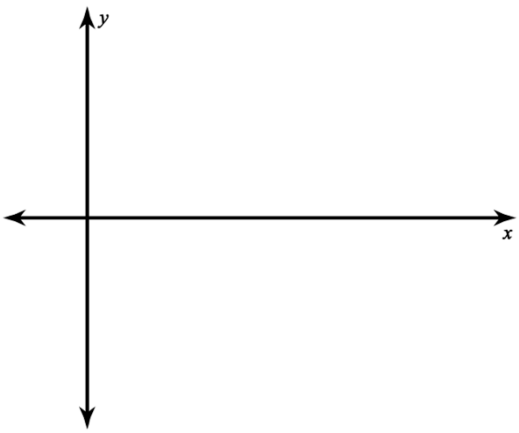


4. $y = -5 \sin\pi\theta$

AMPLITUDE:

PERIOD:

x					
y					

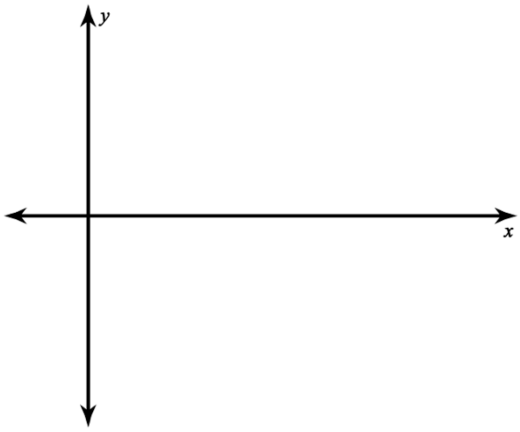


5. $y = 3 \sin\frac{\pi}{2}\theta$

AMPLITUDE:

PERIOD:

x					
y					

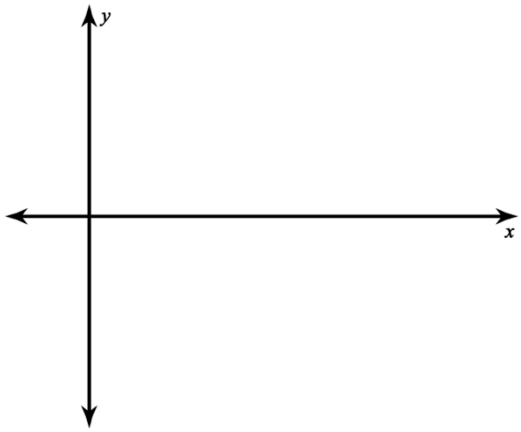


6. $y = -4 \cos\frac{2}{3}\theta$

AMPLITUDE:

PERIOD:

x					
y					



DIRECTIONS: WRITE AN EQUATION THAT MATCHES THE GIVEN DESCRIPTION.

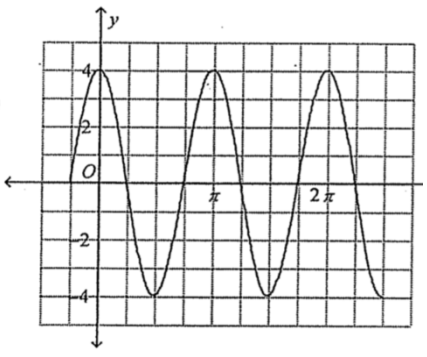
7. A positive cosine function with an amplitude of 3 and period of 4π.

8. A negative sine function with an amplitude of 4 and period of 4.

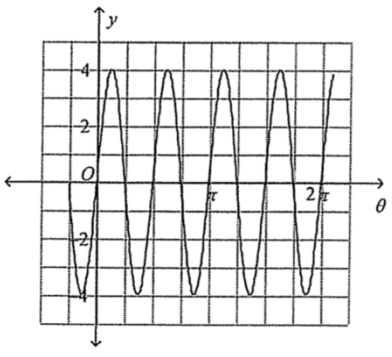
9. A positive sine function with amplitude of 10 and period of π.

DIRECTIONS: WRITE AN EQUATION THAT SATISFIES THE GIVEN GRAPH.

10. Equ.:



11. Equ.:



12. Equ.: