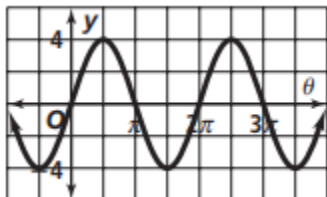


Name: \_\_\_\_\_ Hour: \_\_\_\_\_ Date: \_\_\_\_\_

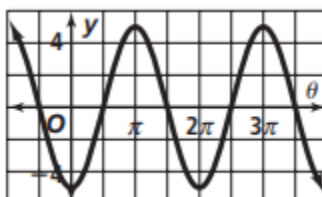
## Writing Equations of Trig Functions Practice

Write an equation to match the following trig functions.

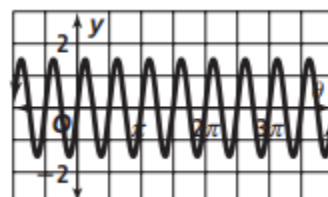
1)



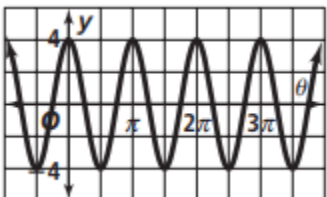
2)



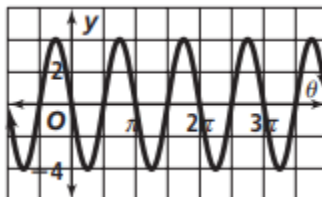
3)



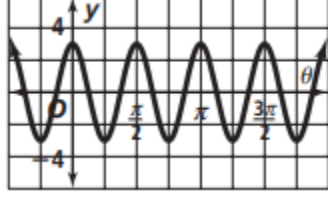
4)



5)



6)



Write an equation based on the following descriptions. Then use your equation to sketch one cycle of the graph.

7) Positive cosine function with an amplitude of 2 and a period of  $\frac{\pi}{4}$ .

8) Negative sine function with an amplitude of 5 and a period of  $\pi$ .

9) Negative cosine function with an amplitude of -1.5 and a period of  $\frac{\pi}{3}$ .

10) Positive sine function with an amplitude of 3 and a period of  $2\pi$ .

11) A negative sine function with an amplitude of 10 and a period of  $6\pi$ .

12) Positive cosine function with an amplitude of  $\frac{1}{2}$  and a period of  $\frac{\pi}{2}$ .