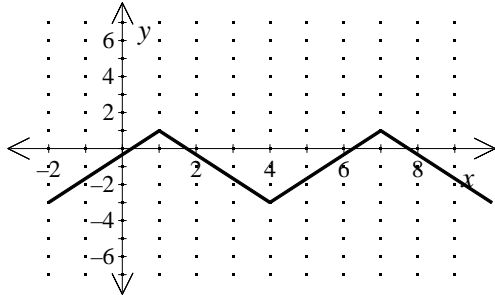


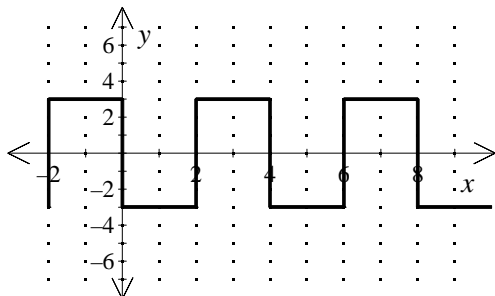
NAME: _____

P.I. A2.A.69: Determine amplitude, period, frequency, and phase shift, given the graph or equation of a periodic function

1. Calculate the period and amplitude of the function or relation.

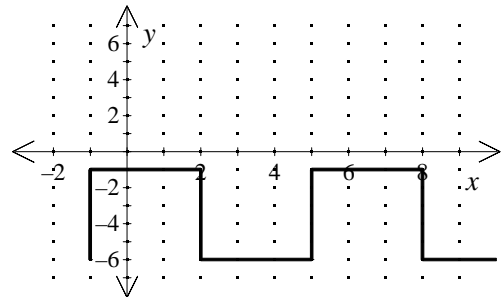


- [A] period = 6; amplitude = 2
[B] period = 4; amplitude = 6
[C] period = 6; amplitude = 4
[D] period = 2; amplitude = 6
2. Calculate the period and amplitude of the function or relation.

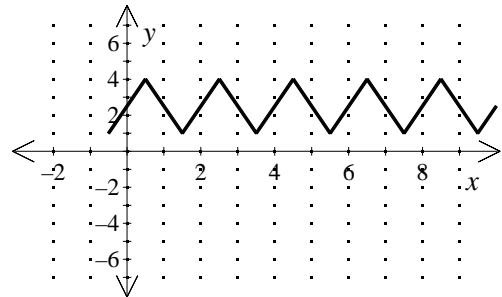


- [A] period = 4; amplitude = 3
[B] period = 3; amplitude = 4
[C] period = 4; amplitude = 6
[D] period = 6; amplitude = 4

3. Calculate the period and amplitude of the function or relation.



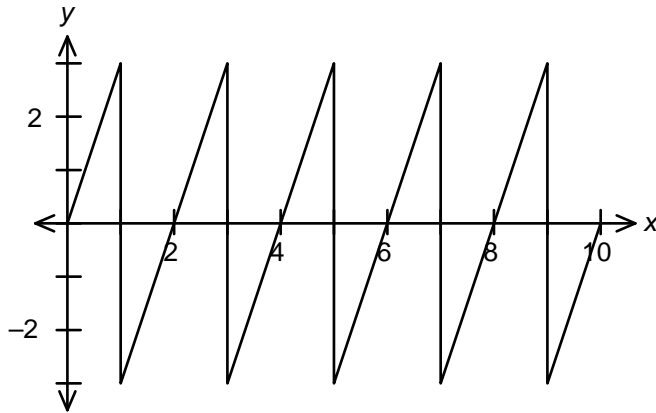
- [A] period = 6; amplitude = 2.5
[B] period = 6; amplitude = 5
[C] period = 5; amplitude = 6
[D] period = 2.5; amplitude = 6
4. Calculate the period and amplitude of the function or relation.



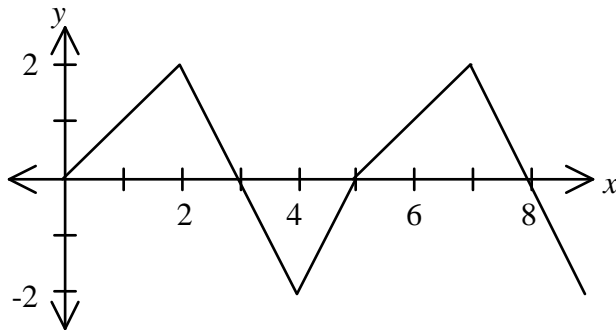
- [A] period = 3; amplitude = 2
[B] period = 2; amplitude = 3
[C] period = 1.5; amplitude = 2
[D] period = 2; amplitude = 1.5

NAME: _____

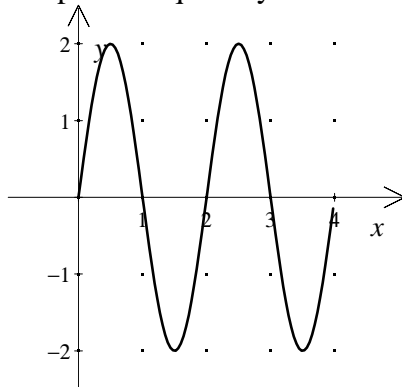
5. What is the period and amplitude of this function?



- [A] period: 2; amplitude: 1.5
[B] period: 3; amplitude: -2
[C] period: 2; amplitude: 3
[D] period: 3; amplitude: 2
6. From the graph below, state the period of this function.



7. Compare the quantity in Column A with the quantity in Column B.



Column A

the period of the function

Column B

the amplitude of the function

- [A] The quantity in Column A is greater.
[B] The quantity in Column B is greater.
[C] The two quantities are equal.
[D] The relationship cannot be determined on the basis of the information supplied.

[1] A

[2] A

[3] A

[4] D

[5] C

[6] 5

[7] C