

## 6-1 Evaluating Functions

Date \_\_\_\_\_ Period \_\_\_\_\_

**Evaluate each function.**

1)  $f(x) = 2x + 4$ ; Find  $f(10)$

2)  $h(x) = -3x - 1$ ; Find  $h(8)$

3)  $g(n) = n^2 - 4$ ; Find  $g(0)$

4)  $h(n) = 4n + 3$ ; Find  $h(2)$

5)  $f(n) = -3n^2 - 4$ ; Find  $f(-7)$

6)  $w(x) = x^2 + x$ ; Find  $w(-5)$

7)  $h(x) = x^2 + 3$ ; Find  $h(7)$

8)  $f(n) = n^2 - 4$ ; Find  $f(-3)$

9)  $h(x) = x^2 - x$ ; Find  $h(4)$

10)  $f(x) = x^2 - 3x$ ; Find  $f(1)$

11)  $h(n) = 2n + 2$ ; Find  $h(-4)$

12)  $g(n) = n^2 + 4n$ ; Find  $g(7)$

13)  $w(n) = n^2 - 5n$ ; Find  $w(6)$

14)  $h(x) = x^3 + 3x^2 - x$ ; Find  $h(-4)$

15)  $k(n) = 2n + 1$ ; Find  $k(10)$

16)  $k(x) = x^2 - 3x$ ; Find  $k(-4 + x)$

17)  $h(t) = -3t$ ; Find  $h(t^2)$

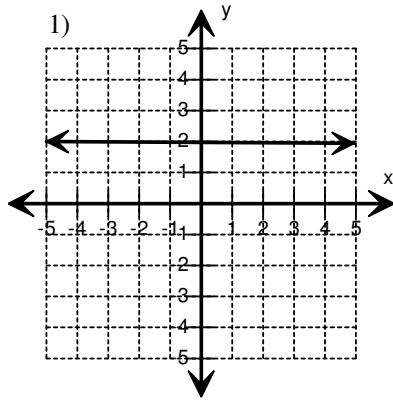
18)  $w(t) = 3t - 2$ ; Find  $w(2t)$

19)  $f(n) = -4n + 4$ ; Find  $f(n + 1)$

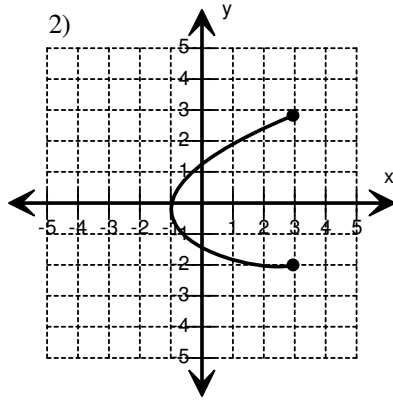
20)  $h(x) = x^2 - 3x$ ; Find  $h(x - 3)$

**Function (or) Not a Function**

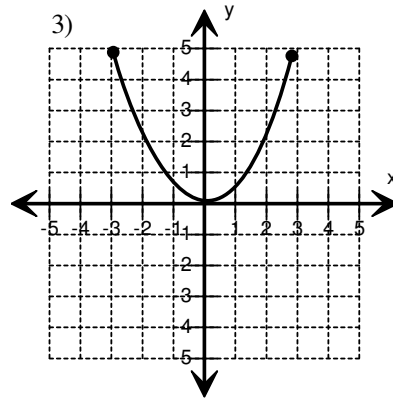
Choose the correct choice that describes the graph.



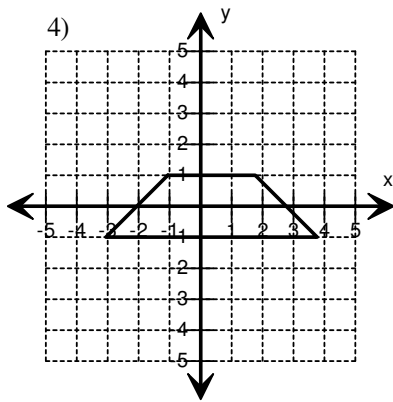
- Function
- Not a Function



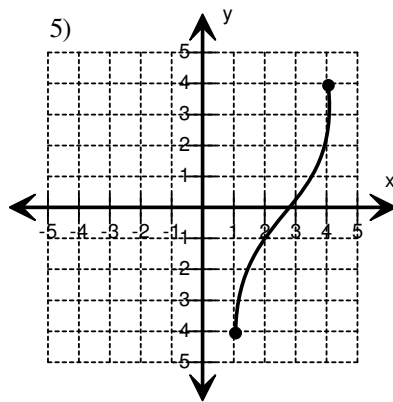
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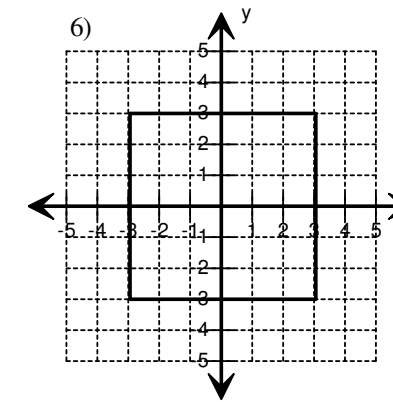
- Function
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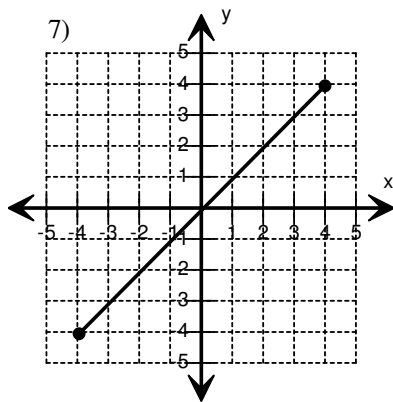
- Function
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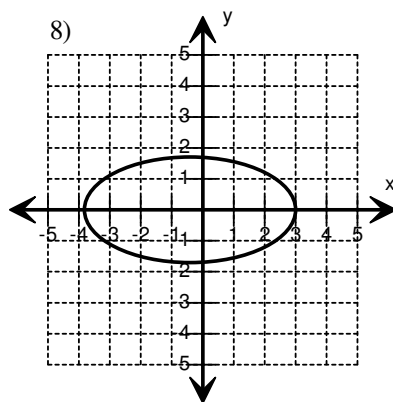
- Function
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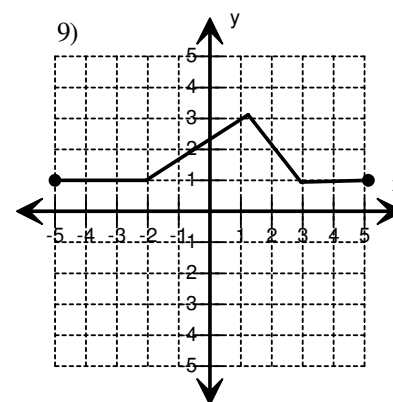
- Function
- Not a Function



- Function
- Not a Function



- Function
- Not a Function



- Function
- Not a Function