

**Given the function and a domain, find the range.**

9)  $f(x) = -7x + 3$ ,  $D = \{-12, -4, 3, 20\}$

10)  $f(x) = 2x^2 - 2x + 5$ ,  $D = \{-2, -1, 0, 1, 2\}$

19)  $f(x) = -6x - 1$ ;  $D = \{-2, -1, 0, 5\}$

20)  $f(x) = -3x^2 + x + 8$ ;  $D = \{-2, -1, 0, 1\}$

**If  $f(x) = -3x - 2$ , find...**

17) a)  $f(0)$  b)  $f(4)$  c)  $f(-1)$

**If  $f(x) = -11x^2 - 5x + 13$ , find...**

18) a)  $f(1)$  b)  $f(-1)$  c)  $f(-4)$

13. Use the rule to determine the range given the domain of  $\{-1, 0, 1, 2\}$ :  $f(x) = x^2 + 4$  Range:

14. Use the rule to determine the domain given the range of  $\{-6, -4, 0, 10\}$ :  $f(x) = 2x - 8$  Range:

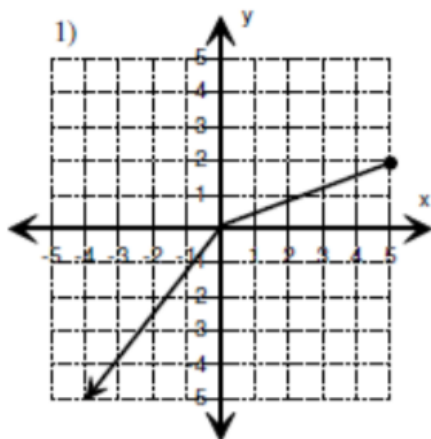
Find the value of  $x$  so that the function has the given value.

12.  $f(x) = 4x - 2, f(x) = 18$

13.  $n(x) = 7x + 4, n(x) = 39$

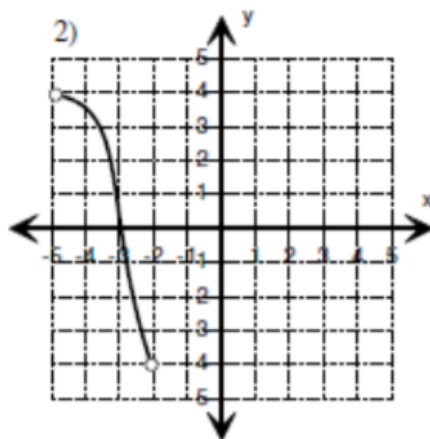
14.  $q(x) = 6 - 5x, q(x) = 21$

15.  $g(x) = -3x + 8, g(x) = 14$



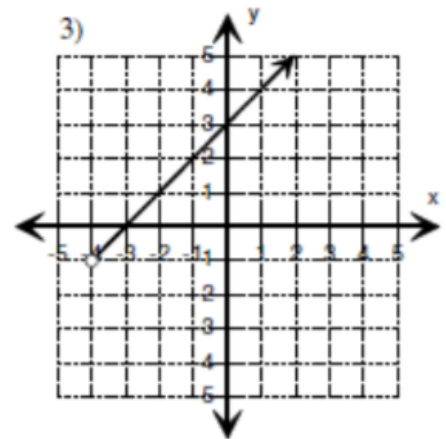
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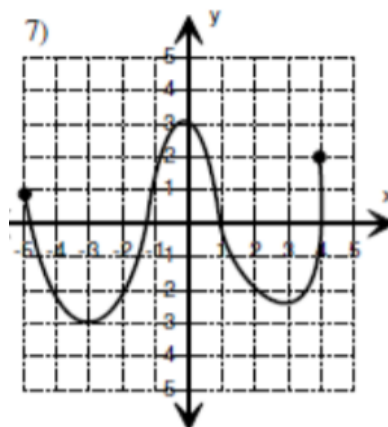
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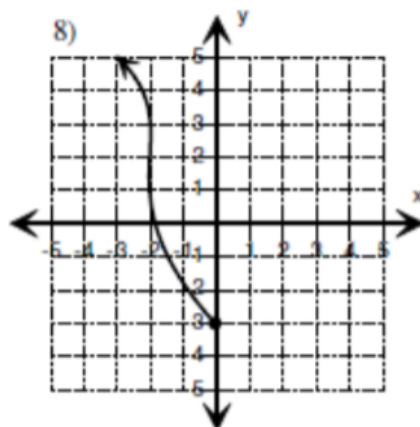
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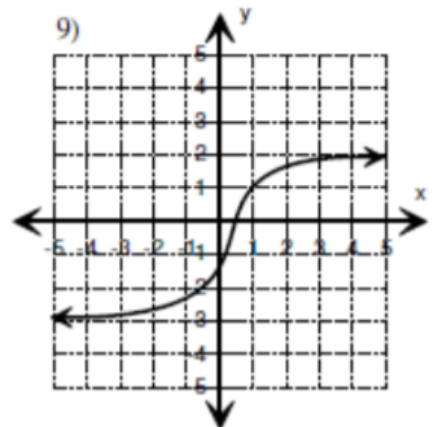
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