

For #1-6, use the functions below to find the function values.

$f(x) = 4x - 9$	$g(x) = 3(x - 1)$	$h(x) = 0.25x - 13$
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1.  $f(3)$

2.  $f(-6)$

3.  $g(10)$

4.  $g(-6)$

5.  $h(12)$

6.  $h(5)$

For # 7 - 12, use the same functions above to find the x value that gives each function value.

7.  $f(x) = -5$

8.  $f(x) = -49$

9.  $g(x) = 0$

10.  $g(x) = -27$

11.  $h(x) = 18$

12.  $h(x) = 8.75$

Error Analysis - Describe the error in a sentence or two. Then, solve the problem correctly.

13. If  $f(x) = 2x - 1$ , then find the  $x$ -value so that  $f(x) = 21$ .

$$f(21) = 2(21) - 1$$

$$f(21) = 42 - 1$$

$$f(21) = 41$$

Use the graph to find the missing part of each statement.

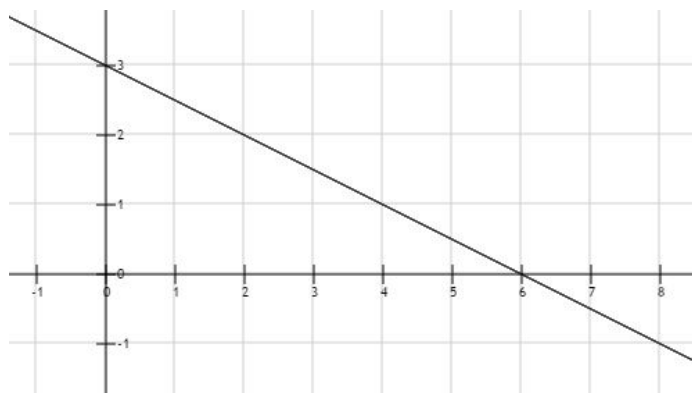
14.  $g(6) =$

15.  $g(2) =$

16.  $g(0) =$

17.  $g(\quad) = -1$

18.  $g(\quad) = 1$



Write a linear function using the given information. Sketch a graph of the function.

19.  $f(1) = 3, f(2) = 1$

20.  $g(-3) = -9, g(3) = 6$

