

5.5 Graph Linear Functions

NAME: _____

CORRECTIVE ASSIGNMENT

DATE: _____

Evaluate each function.

1) $g(n) = 2n - 5$; Find $g(2)$

2) $g(n) = -n - 5$; Find $g(-10)$

3) $f(x) = x - 3$; Find $f(10)$

4) $f(x) = 4x - 3$; Find $f(-3)$

5) $f(a) = a + 4$; Find $f(-3)$

6) $p(x) = 4x + 4$; Find $p(2)$

7) $f(x) = 8 - 3x$; Find x when $f(x) = 32$

8) $h(x) = 2x + 5$; Find x when $h(x) = 30$

9) $f(x) = 10 + \frac{x}{4}$; Find x when $f(x) = -2$

10) $h(x) = -3 - 4x$; Find x when $h(x) = 14$

Fill in the table

11. $f(x) = 12 - 3x$

x	$f(x)$
-5	
4	
	21

12. $f(x) = 2x - 7$

x	$f(x)$
-5	
4	
	-3

13. $f(x) = -5 - 3x$

x	$f(x)$
-5	
4	
	0

14.

$$f(x) = \frac{x}{2} + 4$$

x	$f(x)$
-6	
4	
	12

15.

$$f(x) = -3x - 9$$

x	$f(x)$
-5	
4	
	-3

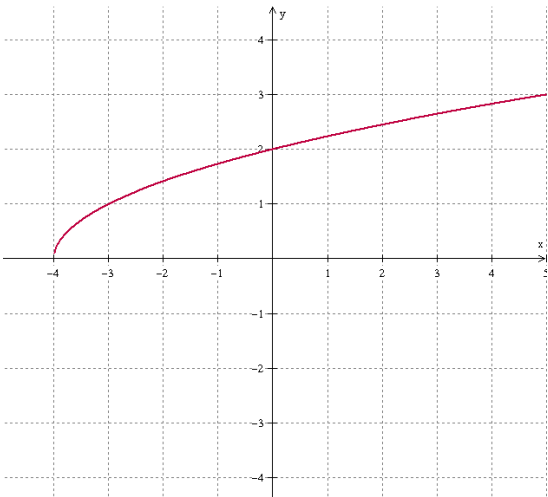
16.

$$f(x) = 2(4x - 5)$$

x	$f(x)$
-5	
4	
	2

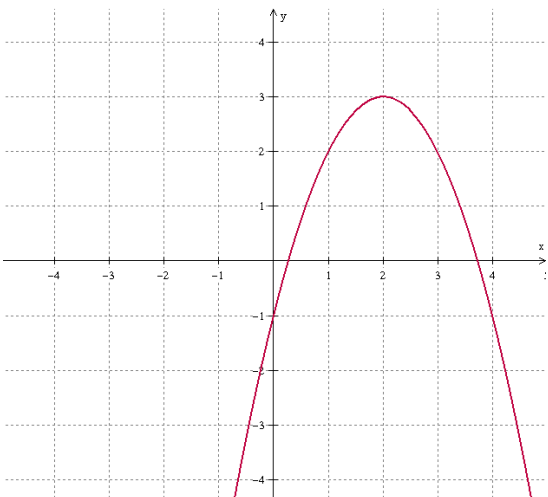
Use the graph to answer the following:

17.



x	$f(x)$
0	
-4	
5	
	1

18.



x	$f(x)$
0	
1	
3	
	3

5.5 CORRECTIVE ASSIGNMENT ANSWERS

1. -1	2. 5	3. 7	4. -15	5. 1																								
6. 12	7. -8	8. $\frac{25}{2} = 12.5$	9. -48	10. $-\frac{17}{4} = -4.25$																								
11.		12.		13.																								
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