

3.3 Notetaking with Vocabulary (continued)**Extra Practice**

In Exercises 1–6, evaluate the function when $x = -4$, 0 , and 2 .

1. $f(x) = -x + 4$

2. $g(x) = 5x$

3. $h(x) = 7 - 2x$

4. $s(x) = 12 - 0.25x$

5. $t(x) = 6 + 3x - 2$

6. $u(x) = -2 - 2x + 7$

7. Let $n(t)$ be the number of DVDs you have in your collection after t trips to the video store. Explain the meaning of each statement.

a. $n(0) = 8$

b. $n(3) = 14$

c. $n(5) > n(3)$

d. $n(7) - n(2) = 10$

In Exercises 8–11, find the value of x so that the function has the given value.

8. $b(x) = -3x + 1$; $b(x) = -20$

9. $r(x) = 4x - 3$; $r(x) = 33$

10. $m(x) = -\frac{3}{5}x - 4$; $m(x) = 2$

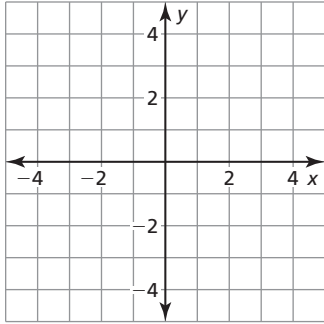
11. $w(x) = \frac{5}{6}x - 3$; $w(x) = -18$

3.3 Notetaking with Vocabulary (continued)

In Exercises 12 and 13, graph the linear function.

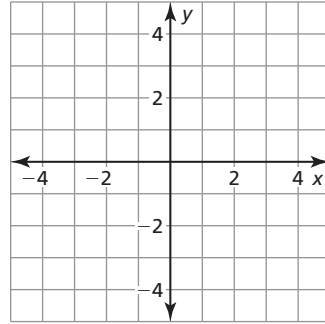
12. $s(x) = \frac{1}{2}x - 2$

x	-4	-2	0	2	4
s(x)					



13. $t(x) = 1 - 2x$

x	-2	-1	0	1	2
t(x)					



14. The function $B(m) = 50m + 150$ represents the balance (in dollars) in your savings account after m months. The table shows the balance in your friend's savings account. Who has the better savings plan? Explain.

Month	Balance
2	\$330
4	\$410
6	\$490