

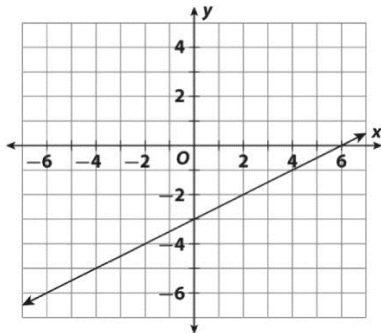
## MODULE 5 Linear Functions

### LESSON 5-1

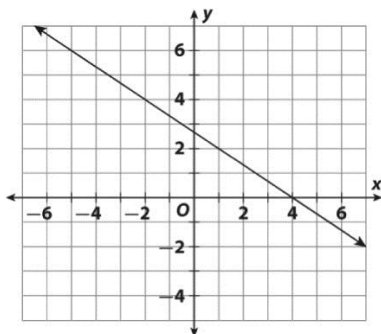
#### Practice and Problem Solving: A/B

1. not linear
2. linear
3. linear
4.  $\frac{4}{5}$ ,  $\frac{1}{5}$ ,  $-\frac{2}{5}$ ; yes;  $-\frac{3}{5}$
5. 0,  $-12$ ; no
6.  $-5$ , 1, 7, 13; yes, 6

7.



8.

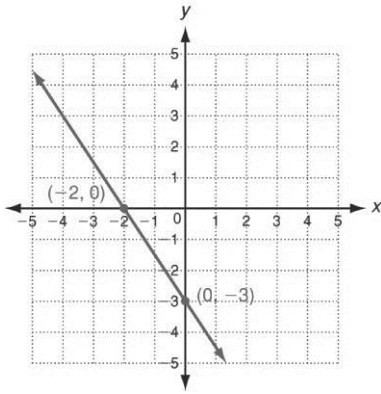


9. A charges \$300 and B charges \$400.
10. B charges according to a linear function.  
A does not.
11. 8 hours
12. continuous; any fractional part of an hour is represented on the graph.

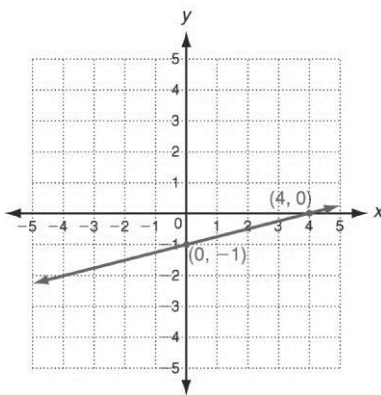
## LESSON 5-2

### Practice and Problem Solving: A/B

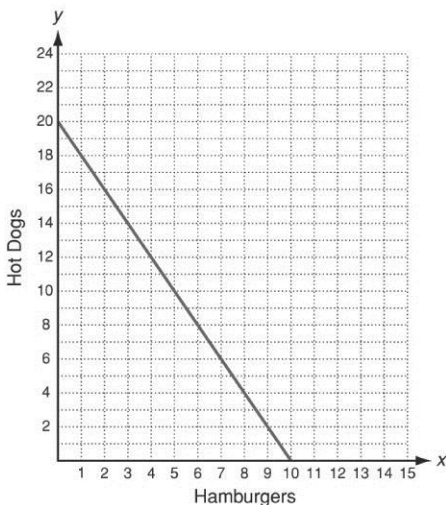
1. x-int: 4; y-int: 2
2. x-int:  $-1$ ; y-int: 4
3. x-int:  $-3$ ; y-int: 3
- 4.



5.



6.



- a. x-int: 10; y-int: 20
- b. x-int: the number of hamburgers they can buy if they buy no hot dogs. y-int: the number of hot dogs they can buy if they buy no hamburgers.

### Practice and Problem Solving: Modified

1. y-intercept; 0
2. x-intercept; 0
3. x-intercept: 2; y-intercept: 4
4. x-intercept: 4; y-intercept:  $-3$
5. x-intercept: 1; y-intercept:  $-2$
6. x-intercept: 3; y-intercept: 3
7. x-intercept: 10; y-intercept: 6
8. x-intercept: 7; y-intercept:  $-14$
9. The y-intercept, 50, represents the number of vitamins that were in the jar when Jaime bought it. The x-intercept, 25, represents the number of days the vitamins will last until the jar is empty.

