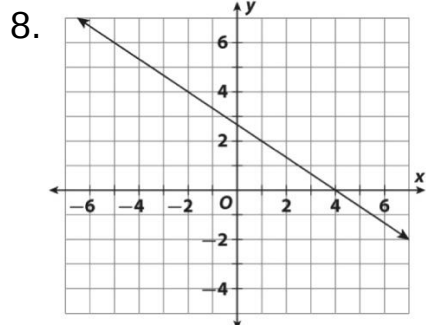
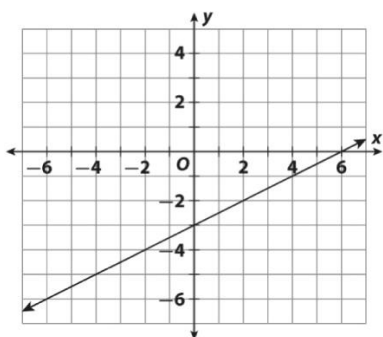


MODULE 5 Linear Functions

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.

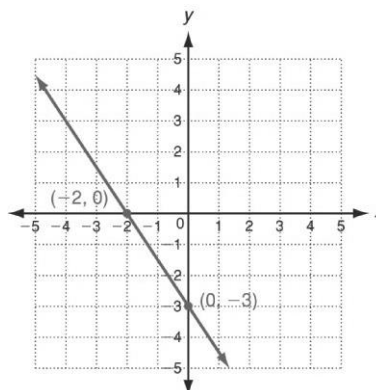


- 8.
9. A charges \$300 and B charges \$400.
10. B charges according to a linear function.
A does not.
11. 8 hours
12. continuous; any fractional part of an hour is represented on the graph.

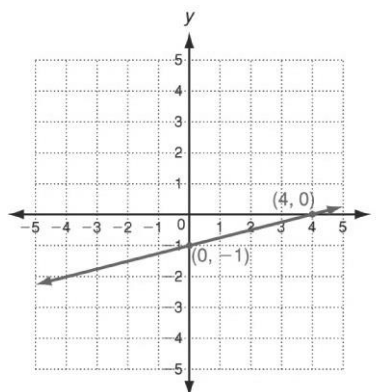
LESSON 5-2

Practice and Problem Solving: A/B

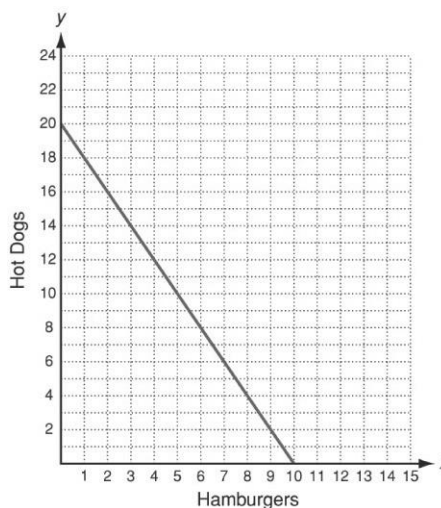
1. x-int: 4; y-int: 2
2. x-int: -1 ; y-int: 4
3. x-int: -3 ; y-int: 3
- 4.



5.



6.



- a. x-int: 10; y-int: 20
- b. x-int: the number of hamburgers with 0 hot dogs. y-int: the number of hot dogs they can buy with 0 hamburgers.

LESSON 5-3

Practice and Problem Solving: A/B

1. rise = 4, run = 5, slope = $\frac{4}{5}$
2. rise = -6, run = 3, slope = -2
3. rise = 3, run = 4, slope = $\frac{3}{4}$
4. slope = $\frac{3}{2}$; hourly salary
increases \$3 every 2 years, or
\$1.50 per year.
5. slope = $-\frac{400}{3}$; the number of
people remaining decreases by
400 every
3 hours, or about 133 per hour.
6. The slope would be 58 since
\$58 is added to the total cost as
the number of tickets bought
increases by 1.