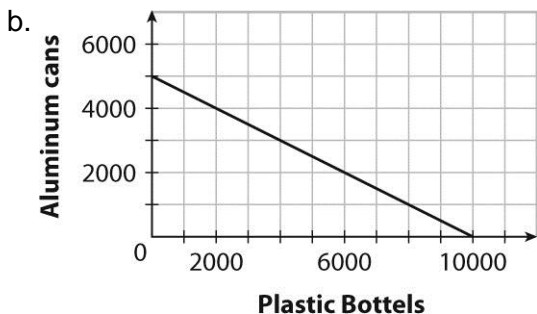


MODULE 7 Linear Equations and Inequalities

LESSON 7-1

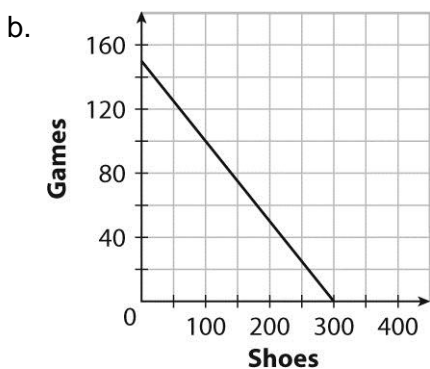
Practice and Problem Solving: A/B

1 a. Variables will vary. $0.05p + 0.10c = 500$



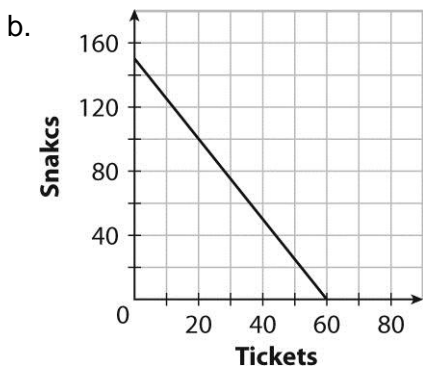
c. 2000 aluminum cans

2 a. Variables will vary. $2g + s = 300$



c. 130 games

3 a. Variables will vary. $15t + 6s = 900$



c. 25 snacks

LESSON 7-2

Practice and Problem Solving: A/B

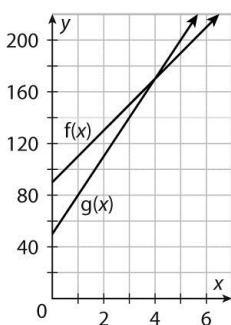
1. $f(x) = 20x + 90$

2. $g(x) = 30x + 50$

3.

x	$f(x)$	$g(x)$
0	90	50
1	110	80
2	130	110
3	150	140
4	170	170
5	190	200

4.



5. 4 hours

6 a. $f(x) = 600 - 75x$

b. 8 months

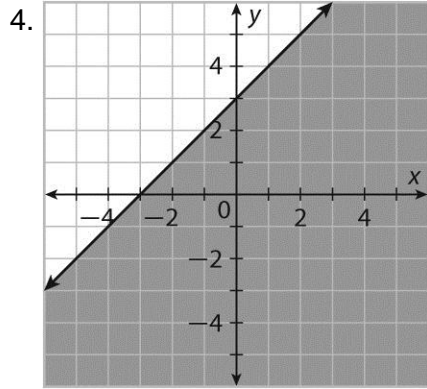
LESSON 7-3

Practice and Problem Solving: A/B

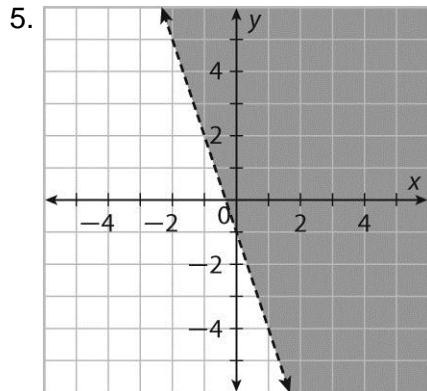
1. no

2. yes

3. no



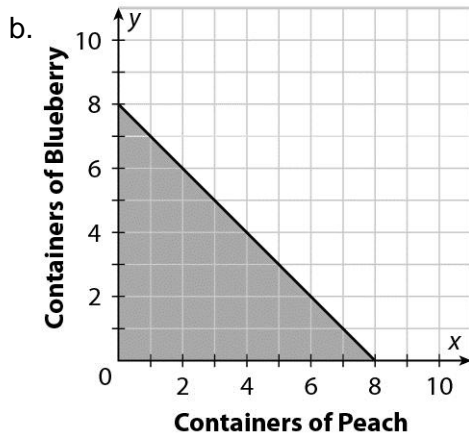
$$y \leq x + 3$$



$$y > -3x - 1$$

6. a. $x + y \leq 8$

Trey's Yogurt



c. Possible answer: 2 peach, 6 blueberry
or 4 peach, 3 blueberry

7. $y \geq x - 2$

8. $y < 2x + 4$

9. $y \leq -\frac{1}{2}x$