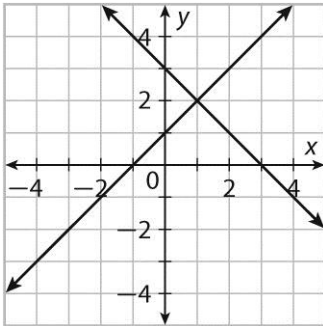


MODULE 11 Solving Systems of Linear Equations

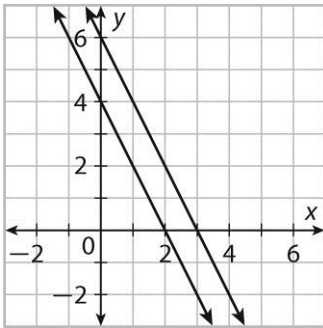
LESSON 11-1

Practice and Problem Solving: A/B

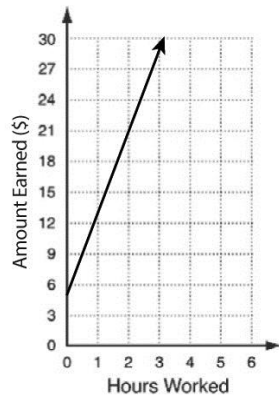
- one, consistent, independent
- infinite number, consistent, dependent
- none, inconsistent
- (1, 2)



- same slope, different y -intercept, no solution



6.
$$\begin{cases} y = 8x + 5 \\ 2y = 16x + 10 \end{cases}$$



Jill and Samantha earn the same for any time.

LESSON 11-2

Practice and Problem Solving: A/B

- | | |
|-------------|-------------|
| 1. (-1, -3) | 2. (3, -1) |
| 3. (2, 7) | 4. (1, -4) |
| 5. (5, -2) | 6. (3, -2) |
| 7. (1, -2) | 8. (-1, -2) |
| 9. (4, 9) | |
- 27 years old
 - length = 37.5 inches and width = 12.5 inches
 - 25 hours at the weekday job and 15 hours at the weekend job
 - Graphs will vary. The solution found by graphing should agree with the solution by substitution.