

Lesson 4.2.3

4-60. See below:

- a. $(-5, 1)$
- b. $(3, 1)$
- c. no solution

4-61. See below:

- a. There are infinite solutions.
- b. The two lines coincide.
- c. Since the two lines coincide, they will have an infinite number of points of intersection. Thus, the system has infinite solutions.

4-62. See below:

- a. Let p represent the number of pizza slices and b represent the number of burritos sold. Then $2.50p + 3b = 358$ and $p = 2b - 20$.
- b. 82 pizza slices were sold.

4-63. \$36.88

4-64. See below:

- a. $x^2 - 3x - 10$
- b. $y^2 + 5xy + 6x^2$
- c. $-3xy + 3y^2 + 8x - 8y$
- d. $x^2 - 9y^2$

4-65. See below:

- a. Moderately strong negative linear association with no apparent outliers.
- b. About 25 mpg