

SYSTEMS OF EQUATIONS REVIEW SHEET ANSWERS

- 1
 - a. $x = 2, y = 4$
 - b. $a = 1/2, b = 5/2$
 - c. $x = 29/14, y = 17/14$
 - d. $a = 3, b = -2$
 - e. infinite solutions such that $2x - 3y = 4$
 - f. $a = 8/5, b = -11/5$
 - g. no solution
- 2
 - a. One plan charges \$8 per month plus \$0.06 per minute, the other charges \$8.50 per month plus \$0.05 per minute.
 - b. $C = 8 + 0.06m$
 $C = 8.5 + 0.05m$
 - c. 50 minutes, \$11
 - d. \$5 per month plus \$0.12 per minute (there are other examples)

3. 16 volleyballs
13 basketballs
4. \$3000 in each fund
5. 9 weeks
6. 18 years old
7. new DVD \$14.99
previously-viewed DVD \$11.99
8. Crazy Harry's is better if you rent more than 11 movies/year.