TEST TAKING STRATEGY  If you find yourself spending too much time on one question and getting frustrated, move on to the next question.

1. **Multiple Choice**  Which ordered pair is a solution of the following system of linear equations?
   \[
   \begin{align*}
   x - 3y &= 5 \\
   -x + 5y &= -7
   \end{align*}
   \]
   \(\text{A} (2, 1)\)  \(\text{B} (2, -1)\)
   \(\text{C} (1, 2)\)  \(\text{D} (-1, 2)\)
   \(\text{E} (2, 2)\)

2. **Multiple Choice**  Which ordered pair is a solution of the following system of linear equations?
   \[
   \begin{align*}
   5x + 3y &= 4 \\
   2x - y &= -5
   \end{align*}
   \]
   \(\text{A} (3, 1)\)  \(\text{B} (3, -1)\)
   \(\text{C} (-1, 3)\)  \(\text{D} (-3, 1)\)
   \(\text{E} (3, 2)\)

3. **Multiple Choice**  How many solutions does the following system have?
   \[
   \begin{align*}
   3x - y &= -6 \\
   3x - y &= 14
   \end{align*}
   \]
   \(\text{A} 0\)  \(\text{B} 1\)
   \(\text{C} 2\)  \(\text{D} 3\)
   \(\text{E} \) infinitely many

4. **Multiple Choice**  How many solutions does the following system have?
   \[
   \begin{align*}
   -2x - 4y &= 8 \\
   3x + 6y &= -12
   \end{align*}
   \]
   \(\text{A} 0\)  \(\text{B} 1\)
   \(\text{C} 2\)  \(\text{D} 3\)
   \(\text{E} \) infinitely many

5. **Multi-Step Problem**  You are choosing between two electricity providers. The Zap Electric Company charges $0.06 per kilowatt hour plus a $6.55 monthly service fee. The Bolt Electric Company charges $0.12 per kilowatt hour plus a $2.83 monthly service fee.
   a. Let \(x\) represent the number of kilowatt hours you use in one month, and let \(y\) represent the total cost of your electric service. Write the two equations representing the cost of each company’s service for one month.
   b. Graph the two equations from part (a) on the same graph.
   c. Estimate the coordinates of the point where the two graphs intersect.
   d. **Critical Thinking**  Explain which company to choose if you want to keep your cost at a minimum and you use an average of 82 kilowatt hours per month.

6. **Multiple Choice**  Which system of linear equations is shown in the graph?
   \[
   \begin{align*}
   \text{A} & \quad x - 2y = -1 \\
   & \quad 2x + 5y = 7 \\
   \text{B} & \quad \frac{1}{2}x + y = 3 \\
   & \quad x + 2y = -6 \\
   \text{C} & \quad -3x - 4y = 2 \\
   & \quad 4x + 5y = -1 \\
   \text{D} & \quad \frac{1}{5}x + \frac{3}{4}y = 1 \\
   & \quad \frac{2}{3}x - \frac{1}{6}y = 2 \\
   \text{E} & \quad -6x + 3y = 15 \\
   & \quad 4x - 2y = -10
   \end{align*}
   \]