Choose the correct answer.

1. Which is the solution for the system of linear equations graphed below?

   \[ y = -x + 1 \]
   \[ x + 3y = 9 \]

   A. \((-4, 3)\)  
   B. \((0, 1)\)  
   C. \((0, 3)\)  
   D. \((-3, 4)\)

2. Which best describes the solution for the system of linear equations graphed below?

   \[ y = -x + 6 \]
   \[ x + y = 3 \]

   A. \((3, 0)\) only  
   B. \((6, 0)\) only  
   C. no solution  
   D. infinitely many solutions

3. Which shows the solution for the following system of equations?

   \[ y = 2x \]
   \[ 2x + y = -4 \]

   A. 
   B. 
   C. 
   D.
4. Which is the best estimate of the solution for the system of linear equations graphed below?

\[ y = 4x - 4 \]
\[ 2x + y = 5 \]

A. \((0.5, 2)\)
B. \((1.5, 2)\)
C. \((2, 1.5)\)
D. \((2.5, 1.5)\)

5. Solve this system of equations by graphing.

\[-2x + 5y = 10\]
\[y = x + 5\]

A. \((-5, 0)\)
B. \((5, 0)\)
C. no solution
D. infinitely many solutions

6. Consider the system of linear equations below.

\[3x + y = -4\]
\[-5x + y = 8\]

A. Graph the system of equations on the coordinate plane. Label each line on your graph and show any work you do.

B. Use your graph from Part A to estimate the solution for the system of equations. Explain how you determined your estimate.
Lesson Practice

Choose the correct answer.

1. Which is the solution for the system of linear equations graphed below?

   ![Graph showing two lines intersecting at (-3, 4)]

   A. (-4, 3)  
   B. (0, 3)  
   C. (0, 1)  
   D. (-3, 4)

2. Which best describes the solution for the system of linear equations graphed below?

   ![Graph showing two lines intersecting at (3, 0)]

   A. (3, 0) only  
   B. (6, 0) only  
   C. no solution  
   D. infinitely many solutions

3. Which shows the solution for the following system of equations?

   \[ \begin{align*}
   y &= 2x \\
   2x + y &= -4
   \end{align*} \]

   A. \[ \begin{align*}
   y &= 2x \\
   y &= -4 - 2x
   \end{align*} \]

   B. \[ \begin{align*}
   y &= 2x \\
   y &= -2x + 4
   \end{align*} \]

   C. \[ \begin{align*}
   y &= 2x \\
   y &= -2x + 4
   \end{align*} \]

   D. \[ \begin{align*}
   y &= 2x \\
   y &= -2x - 4
   \end{align*} \]
4. Which is the best estimate of the solution for the system of linear equations graphed below?

\[ y = 4x - 4 \]
\[ 2x + y = 5 \]

- A. \((0.5, 2)\)
- B. \((1.5, 2)\)
- C. \((2, 1.5)\)
- D. \((2.5, 1.5)\)

5. Solve this system of equations by graphing.

\[ \begin{align*}
-2x + 5y &= 10 \\
5y &= 10 + 2x \\
\hline
y &= 2 + \frac{2x}{5}
\end{align*} \]

\[ \begin{align*}
2x + 5 &= 0 \\
2x &= -5 \\
\hline
x &= -\frac{5}{2}
\end{align*} \]

- A. \((-5, 0)\)
- B. \((5, 0)\)
- C. No solution
- D. Infinitely many solutions

6. Consider the system of linear equations below.

\[ \begin{align*}
3x + y &= -4 \\
-5x + y &= 8
\end{align*} \]

A. Graph the system of equations on the coordinate plane. Label each line on your graph and show any work you do.

B. Use your graph from Part A to estimate the solution for the system of equations. Explain how you determined your estimate.

The solution is about \((-2, 0)\), the point where the two lines intersect after graphing both equations.