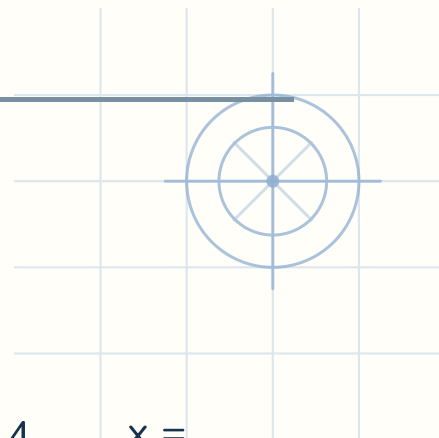


Systems of equations — Choose the method

Name: _____

Date: _____



Solve each pair. Choose the method that fits it.

1 $y = -3x - 12$ $x = \underline{\hspace{2cm}}$
 $3x + 4y = -3$ $y = \underline{\hspace{2cm}}$

2 $y = 3x + 14$ $x = \underline{\hspace{2cm}}$
 $8x + 8y = -48$ $y = \underline{\hspace{2cm}}$

3 $y = x - 1$ $x = \underline{\hspace{2cm}}$
 $5x + 11y = 21$ $y = \underline{\hspace{2cm}}$

4 $-10x + y = 60$ $x = \underline{\hspace{2cm}}$
 $8x - y = -48$ $y = \underline{\hspace{2cm}}$

5 $6x + 5y = -55$ $x = \underline{\hspace{2cm}}$
 $12x - 5y = 55$ $y = \underline{\hspace{2cm}}$

6 $y = x + 5$ $x = \underline{\hspace{2cm}}$
 $-7x + 2y = -30$ $y = \underline{\hspace{2cm}}$



Systems of equations · Choose the method — Answer key

1. $y = -3x - 12$, $3x + 4y = -3 \rightarrow (-5, 3)$

2. $y = 3x + 14$, $8x + 8y = -48 \rightarrow (-5, -1)$

3. $y = x - 1$, $5x + 11y = 21 \rightarrow (2, 1)$

4. $-10x + y = 60$, $8x - y = -48 \rightarrow (-6, 0)$

5. $6x + 5y = -55$, $12x - 5y = 55 \rightarrow (0, -11)$

6. $y = x + 5$, $-7x + 2y = -30 \rightarrow (8, 13)$

