

Two-Variables Linear Equations ( $ax+by=c$ )

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Score: \_\_\_\_\_

$$\begin{aligned} 1. \quad & 8x + 7y = 44 \\ & 3x - 8y = -26 \end{aligned}$$

$$\begin{aligned} 2. \quad & 2x - 8y = -42 \\ & 2x + 6y = 42 \end{aligned}$$

$$\begin{aligned} 3. \quad & 3x - 6y = -21 \\ & 4x - 2y = -4 \end{aligned}$$

$$\begin{aligned} 4. \quad & 6x - 7y = -15 \\ & 7x + 6y = 110 \end{aligned}$$

$$\begin{aligned} 5. \quad & 4x + 6y = 76 \\ & 8x + 3y = 80 \end{aligned}$$

$$\begin{aligned} 6. \quad & 5x - 7y = -51 \\ & 3x - 5y = -37 \end{aligned}$$

$$\begin{aligned} 7. \quad & 7x + 8y = 88 \\ & 3x + 3y = 36 \end{aligned}$$

$$\begin{aligned} 8. \quad & 3x - 8y = -29 \\ & 7x + 8y = 39 \end{aligned}$$

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1.  $8x + 7y = 44$

$3x - 8y = -26$

$x = 2$

$y = 4$

2.  $2x - 8y = -42$

$2x + 6y = 42$

$x = 3$

$y = 6$

3.  $3x - 6y = -21$

$4x - 2y = -4$

$x = 1$

$y = 4$

4.  $6x - 7y = -15$

$7x + 6y = 110$

$x = 8$

$y = 9$

5.  $4x + 6y = 76$

$8x + 3y = 80$

$x = 7$

$y = 8$

6.  $5x - 7y = -51$

$3x - 5y = -37$

$x = 1$

$y = 8$

7.  $7x + 8y = 88$

$3x + 3y = 36$

$x = 8$

$y = 4$

8.  $3x - 8y = -29$

$7x + 8y = 39$

$x = 1$

$y = 4$