

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

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

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

$$\begin{aligned}1. \quad & 8x + 8y = 64 \\& 3x + 7y = 48\end{aligned}$$

$$\begin{aligned}2. \quad & 4x + 5y = 41 \\& 5x + 8y = 53\end{aligned}$$

$$\begin{aligned}3. \quad & 5x + 8y = 69 \\& 8x + 2y = 78\end{aligned}$$

$$\begin{aligned}4. \quad & 4x - 6y = -4 \\& 4x - 8y = -16\end{aligned}$$

$$\begin{aligned}5. \quad & 3x + 4y = 24 \\& 5x - 2y = 14\end{aligned}$$

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

$$\begin{aligned}7. \quad & 2x + 2y = 26 \\& 4x + 2y = 34\end{aligned}$$

$$\begin{aligned}8. \quad & 6x + 7y = 67 \\& 8x - 6y = -18\end{aligned}$$

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1.  $8x + 8y = 64$

$3x + 7y = 48$

$x = 2$

$y = 6$

2.  $4x + 5y = 41$

$5x + 8y = 53$

$x = 9$

$y = 1$

3.  $5x + 8y = 69$

$8x + 2y = 78$

$x = 9$

$y = 3$

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

$4x - 8y = -16$

$x = 8$

$y = 6$

5.  $3x + 4y = 24$

$5x - 2y = 14$

$x = 4$

$y = 3$

6.  $8x - 2y = 6$

$8x - 2y = 6$

$x = 3$

$y = 9$

7.  $2x + 2y = 26$

$4x + 2y = 34$

$x = 4$

$y = 9$

8.  $6x + 7y = 67$

$8x - 6y = -18$

$x = 3$

$y = 7$