

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

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

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

$$\begin{aligned}1. \quad 6x - 3y &= -18 \\6x - 2y &= -10\end{aligned}$$

$$\begin{aligned}2. \quad 8x - 8y &= 0 \\4x + 6y &= 20\end{aligned}$$

$$\begin{aligned}3. \quad 6x + 6y &= 72 \\2x + 5y &= 51\end{aligned}$$

$$\begin{aligned}4. \quad 6x + 7y &= 90 \\8x + 7y &= 106\end{aligned}$$

$$\begin{aligned}5. \quad 6x - 6y &= -30 \\6x - 3y &= -9\end{aligned}$$

$$\begin{aligned}6. \quad 8x - 5y &= -37 \\7x + 8y &= 79\end{aligned}$$

$$\begin{aligned}7. \quad 3x + 4y &= 27 \\8x + 4y &= 52\end{aligned}$$

$$\begin{aligned}8. \quad 6x - 2y &= 20 \\5x + 2y &= 24\end{aligned}$$

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1.  $6x - 3y = -18$

$6x - 2y = -10$

$x = 1$

$y = 8$

2.  $8x - 8y = 0$

$4x + 6y = 20$

$x = 2$

$y = 2$

3.  $6x + 6y = 72$

$2x + 5y = 51$

$x = 3$

$y = 9$

4.  $6x + 7y = 90$

$8x + 7y = 106$

$x = 8$

$y = 6$

5.  $6x - 6y = -30$

$6x - 3y = -9$

$x = 2$

$y = 7$

6.  $8x - 5y = -37$

$7x + 8y = 79$

$x = 1$

$y = 9$

7.  $3x + 4y = 27$

$8x + 4y = 52$

$x = 5$

$y = 3$

8.  $6x - 2y = 20$

$5x + 2y = 24$

$x = 4$

$y = 2$