

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

Name: _____

Date: _____ Score: _____

$$\begin{aligned}1. \quad & 3x + 6y = 24 \\& 5x + 6y = 28\end{aligned}$$

$$\begin{aligned}2. \quad & 6x + 6y = 60 \\& 6x + 8y = 78\end{aligned}$$

$$\begin{aligned}3. \quad & 8x - 7y = -6 \\& 6x - 2y = 2\end{aligned}$$

$$\begin{aligned}4. \quad & 3x + 3y = 42 \\& 3x + 7y = 78\end{aligned}$$

$$\begin{aligned}5. \quad & 7x + 7y = 56 \\& 7x + 8y = 61\end{aligned}$$

$$\begin{aligned}6. \quad & 4x + 8y = 32 \\& 7x - 5y = 18\end{aligned}$$

$$\begin{aligned}7. \quad & 2x - 8y = -44 \\& 8x + 3y = 69\end{aligned}$$

$$\begin{aligned}8. \quad & 5x + 5y = 40 \\& 3x - 8y = -9\end{aligned}$$

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1. $3x + 6y = 24$

$5x + 6y = 28$

$x = 2$

$y = 3$

2. $6x + 6y = 60$

$6x + 8y = 78$

$x = 1$

$y = 9$

3. $8x - 7y = -6$

$6x - 2y = 2$

$x = 1$

$y = 2$

4. $3x + 3y = 42$

$3x + 7y = 78$

$x = 5$

$y = 9$

5. $7x + 7y = 56$

$7x + 8y = 61$

$x = 3$

$y = 5$

6. $4x + 8y = 32$

$7x - 5y = 18$

$x = 4$

$y = 2$

7. $2x - 8y = -44$

$8x + 3y = 69$

$x = 6$

$y = 7$

8. $5x + 5y = 40$

$3x - 8y = -9$

$x = 5$

$y = 3$