

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

Name: _____

Date: _____ Score: _____

$$\begin{aligned} 1. \quad 6x - 4y &= 12 \\ 2x - 3y &= -11 \end{aligned}$$

$$\begin{aligned} 2. \quad 7x - 2y &= 9 \\ 4x - 7y &= -30 \end{aligned}$$

$$\begin{aligned} 3. \quad 7x - 3y &= 24 \\ 4x + 4y &= 48 \end{aligned}$$

$$\begin{aligned} 4. \quad 2x - 5y &= -23 \\ 4x - 7y &= -25 \end{aligned}$$

$$\begin{aligned} 5. \quad 6x + 6y &= 24 \\ 6x + 5y &= 23 \end{aligned}$$

$$\begin{aligned} 6. \quad 5x - 8y &= 2 \\ 2x + 5y &= 9 \end{aligned}$$

$$\begin{aligned} 7. \quad 2x + 6y &= 60 \\ 8x + 3y &= 72 \end{aligned}$$

$$\begin{aligned} 8. \quad 4x + 4y &= 40 \\ 8x + 6y &= 74 \end{aligned}$$

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1. $6x - 4y = 12$

$2x - 3y = -11$

$x = 8$

$y = 9$

2. $7x - 2y = 9$

$4x - 7y = -30$

$x = 3$

$y = 6$

3. $7x - 3y = 24$

$4x + 4y = 48$

$x = 6$

$y = 6$

4. $2x - 5y = -23$

$4x - 7y = -25$

$x = 6$

$y = 7$

5. $6x + 6y = 24$

$6x + 5y = 23$

$x = 3$

$y = 1$

6. $5x - 8y = 2$

$2x + 5y = 9$

$x = 2$

$y = 1$

7. $2x + 6y = 60$

$8x + 3y = 72$

$x = 6$

$y = 8$

8. $4x + 4y = 40$

$8x + 6y = 74$

$x = 7$

$y = 3$