

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

Name: _____

Date: _____ Score: _____

$$\begin{aligned} 1. \quad & 3x - 4y = 2 \\ & 5x + 4y = 14 \end{aligned}$$

$$\begin{aligned} 2. \quad & 4x + 3y = 47 \\ & 6x + 4y = 66 \end{aligned}$$

$$\begin{aligned} 3. \quad & 2x + 5y = 13 \\ & 3x + 5y = 17 \end{aligned}$$

$$\begin{aligned} 4. \quad & 5x + 4y = 33 \\ & 4x + 6y = 46 \end{aligned}$$

$$\begin{aligned} 5. \quad & 7x - 4y = 5 \\ & 7x + 2y = 29 \end{aligned}$$

$$\begin{aligned} 6. \quad & 3x + 4y = 49 \\ & 6x + 6y = 84 \end{aligned}$$

$$\begin{aligned} 7. \quad & 6x + 6y = 54 \\ & 5x + 6y = 52 \end{aligned}$$

$$\begin{aligned} 8. \quad & 2x - 4y = 2 \\ & 6x + 8y = 26 \end{aligned}$$

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1. $3x - 4y = 2$

$5x + 4y = 14$

$x = 2$

$y = 1$

2. $4x + 3y = 47$

$6x + 4y = 66$

$x = 5$

$y = 9$

3. $2x + 5y = 13$

$3x + 5y = 17$

$x = 4$

$y = 1$

4. $5x + 4y = 33$

$4x + 6y = 46$

$x = 1$

$y = 7$

5. $7x - 4y = 5$

$7x + 2y = 29$

$x = 3$

$y = 4$

6. $3x + 4y = 49$

$6x + 6y = 84$

$x = 7$

$y = 7$

7. $6x + 6y = 54$

$5x + 6y = 52$

$x = 2$

$y = 7$

8. $2x - 4y = 2$

$6x + 8y = 26$

$x = 3$

$y = 1$