



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

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

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

1.  $3x - 6y = -30$   
 $6x + 5y = 76$

2.  $4x + 4y = 52$   
 $5x + 8y = 80$

3.  $7x - 6y = 57$   
 $3x + 3y = 30$

4.  $2x + 3y = 34$   
 $6x + 8y = 96$

5.  $5x - 3y = 24$   
 $2x + 6y = 60$

6.  $4x + 4y = 12$   
 $2x + 3y = 7$

7.  $4x - 5y = 2$   
 $8x - 3y = 18$

8.  $5x + 7y = 52$   
 $6x + 5y = 42$



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

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1.  $3x - 6y = -30$

$$6x + 5y = 76$$

$$x = 6$$

$$y = 8$$

2.  $4x + 4y = 52$

$$5x + 8y = 80$$

$$x = 8$$

$$y = 5$$

3.  $7x - 6y = 57$

$$3x + 3y = 30$$

$$x = 9$$

$$y = 1$$

4.  $2x + 3y = 34$

$$6x + 8y = 96$$

$$x = 8$$

$$y = 6$$

5.  $5x - 3y = 24$

$$2x + 6y = 60$$

$$x = 9$$

$$y = 7$$

6.  $4x + 4y = 12$

$$2x + 3y = 7$$

$$x = 2$$

$$y = 1$$

7.  $4x - 5y = 2$

$$8x - 3y = 18$$

$$x = 3$$

$$y = 2$$

8.  $5x + 7y = 52$

$$6x + 5y = 42$$

$$x = 2$$

$$y = 6$$