



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

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

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

1.  $8x + 7y = 44$   
 $3x - 8y = -26$

2.  $2x - 8y = -42$   
 $2x + 6y = 42$

3.  $3x - 6y = -21$   
 $4x - 2y = -4$

4.  $6x - 7y = -15$   
 $7x + 6y = 110$

5.  $4x + 6y = 76$   
 $8x + 3y = 80$

6.  $5x - 7y = -51$   
 $3x - 5y = -37$

7.  $7x + 8y = 88$   
 $3x + 3y = 36$

8.  $3x - 8y = -29$   
 $7x + 8y = 39$



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1.  $8x + 7y = 44$

$$3x - 8y = -26$$

$$x = 2$$

$$y = 4$$

2.  $2x - 8y = -42$

$$2x + 6y = 42$$

$$x = 3$$

$$y = 6$$

3.  $3x - 6y = -21$

$$4x - 2y = -4$$

$$x = 1$$

$$y = 4$$

4.  $6x - 7y = -15$

$$7x + 6y = 110$$

$$x = 8$$

$$y = 9$$

5.  $4x + 6y = 76$

$$8x + 3y = 80$$

$$x = 7$$

$$y = 8$$

6.  $5x - 7y = -51$

$$3x - 5y = -37$$

$$x = 1$$

$$y = 8$$

7.  $7x + 8y = 88$

$$3x + 3y = 36$$

$$x = 8$$

$$y = 4$$

8.  $3x - 8y = -29$

$$7x + 8y = 39$$

$$x = 1$$

$$y = 4$$