

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

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

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

1.  $2x - 6y = -16$   
 $7x + 7y = 56$

2.  $6x - 4y = 12$   
 $5x + 4y = 76$

3.  $7x + 5y = 46$   
 $8x - 6y = -6$

4.  $8x + 4y = 100$   
 $6x + 6y = 102$

5.  $7x + 5y = 29$   
 $8x - 4y = 4$

6.  $3x - 2y = 1$   
 $8x + 2y = 10$

7.  $5x + 4y = 72$   
 $7x - 7y = 0$

8.  $4x - 4y = 28$   
 $8x - 7y = 58$



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1.  $2x - 6y = -16$

$7x + 7y = 56$

$x = 4$

$y = 4$

2.  $6x - 4y = 12$

$5x + 4y = 76$

$x = 8$

$y = 9$

3.  $7x + 5y = 46$

$8x - 6y = -6$

$x = 3$

$y = 5$

4.  $8x + 4y = 100$

$6x + 6y = 102$

$x = 8$

$y = 9$

5.  $7x + 5y = 29$

$8x - 4y = 4$

$x = 2$

$y = 3$

6.  $3x - 2y = 1$

$8x + 2y = 10$

$x = 1$

$y = 1$

7.  $5x + 4y = 72$

$7x - 7y = 0$

$x = 8$

$y = 8$

8.  $4x - 4y = 28$

$8x - 7y = 58$

$x = 9$

$y = 2$