



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

Name: _____

Date: _____ Score: _____

1. $7x + 2y = 39$
 $6x - 6y = -36$

2. $6x + 2y = 36$
 $8x - 7y = 19$

3. $8x + 6y = 74$
 $3x + 5y = 36$

4. $2x + 7y = 23$
 $4x + 5y = 37$

5. $2x - 8y = -6$
 $3x + 4y = 39$

6. $4x - 6y = -44$
 $8x + 7y = 64$

7. $7x - 6y = -20$
 $6x + 5y = 64$

8. $3x + 8y = 74$
 $2x - 7y = -37$



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

Name: _____

Date: _____ Score: _____

1. $7x + 2y = 39$

$$6x - 6y = -36$$

$$x = 3$$

$$y = 9$$

2. $6x + 2y = 36$

$$8x - 7y = 19$$

$$x = 5$$

$$y = 3$$

3. $8x + 6y = 74$

$$3x + 5y = 36$$

$$x = 7$$

$$y = 3$$

4. $2x + 7y = 23$

$$4x + 5y = 37$$

$$x = 8$$

$$y = 1$$

5. $2x - 8y = -6$

$$3x + 4y = 39$$

$$x = 9$$

$$y = 3$$

6. $4x - 6y = -44$

$$8x + 7y = 64$$

$$x = 1$$

$$y = 8$$

7. $7x - 6y = -20$

$$6x + 5y = 64$$

$$x = 4$$

$$y = 8$$

8. $3x + 8y = 74$

$$2x - 7y = -37$$

$$x = 6$$

$$y = 7$$