



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

Name: _____

Date: _____ Score: _____

1. $8x - 5y = 7$
 $5x + 4y = 40$

2. $3x - 6y = -45$
 $6x + 3y = 30$

3. $2x + 4y = 50$
 $5x + 5y = 85$

4. $2x - 5y = -20$
 $5x + 6y = 61$

5. $8x - 8y = -8$
 $2x + 5y = 40$

6. $5x - 5y = 10$
 $7x - 2y = 29$

7. $6x - 3y = 27$
 $7x - 6y = 19$

8. $8x - 7y = 50$
 $5x + 7y = 54$



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

Name: _____

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1. $8x - 5y = 7$

$$5x + 4y = 40$$

$$x = 4$$

$$y = 5$$

2. $3x - 6y = -45$

$$6x + 3y = 30$$

$$x = 1$$

$$y = 8$$

3. $2x + 4y = 50$

$$5x + 5y = 85$$

$$x = 9$$

$$y = 8$$

4. $2x - 5y = -20$

$$5x + 6y = 61$$

$$x = 5$$

$$y = 6$$

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

$$2x + 5y = 40$$

$$x = 5$$

$$y = 6$$

6. $5x - 5y = 10$

$$7x - 2y = 29$$

$$x = 5$$

$$y = 3$$

7. $6x - 3y = 27$

$$7x - 6y = 19$$

$$x = 7$$

$$y = 5$$

8. $8x - 7y = 50$

$$5x + 7y = 54$$

$$x = 8$$

$$y = 2$$