



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

Name: _____

Date: _____ Score: _____

1. $6x + 8y = 112$
 $5x - 3y = 16$

2. $6x - 4y = 8$
 $2x - 7y = -20$

3. $5x - 8y = -52$
 $6x - 6y = -30$

4. $5x + 4y = 73$
 $7x + 4y = 91$

5. $2x - 2y = -4$
 $8x + 7y = 44$

6. $4x - 4y = 20$
 $7x - 6y = 37$

7. $2x + 5y = 23$
 $3x - 8y = -12$

8. $3x - 8y = -36$
 $7x + 8y = 76$



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

Name: _____

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1. $6x + 8y = 112$

$$5x - 3y = 16$$

$$x = 8$$

$$y = 8$$

2. $6x - 4y = 8$

$$2x - 7y = -20$$

$$x = 4$$

$$y = 4$$

3. $5x - 8y = -52$

$$6x - 6y = -30$$

$$x = 4$$

$$y = 9$$

4. $5x + 4y = 73$

$$7x + 4y = 91$$

$$x = 9$$

$$y = 7$$

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

$$8x + 7y = 44$$

$$x = 2$$

$$y = 4$$

6. $4x - 4y = 20$

$$7x - 6y = 37$$

$$x = 7$$

$$y = 2$$

7. $2x + 5y = 23$

$$3x - 8y = -12$$

$$x = 4$$

$$y = 3$$

8. $3x - 8y = -36$

$$7x + 8y = 76$$

$$x = 4$$

$$y = 6$$