



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

Name: _____

Date: _____ Score: _____

1. $2x + 5y = 45$
 $2x + 8y = 66$

2. $5x + 5y = 65$
 $4x - 7y = -47$

3. $8x + 6y = 86$
 $8x - 2y = 46$

4. $2x - 3y = 3$
 $3x - 2y = 12$

5. $4x - 3y = 3$
 $4x - 7y = -25$

6. $4x + 4y = 20$
 $3x - 6y = -21$

7. $5x - 5y = 5$
 $7x + 3y = 27$

8. $4x - 8y = -52$
 $3x - 7y = -47$



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1. $2x + 5y = 45$

$2x + 8y = 66$

$x = 5$

$y = 7$

2. $5x + 5y = 65$

$4x - 7y = -47$

$x = 4$

$y = 9$

3. $8x + 6y = 86$

$8x - 2y = 46$

$x = 7$

$y = 5$

4. $2x - 3y = 3$

$3x - 2y = 12$

$x = 6$

$y = 3$

5. $4x - 3y = 3$

$4x - 7y = -25$

$x = 6$

$y = 7$

6. $4x + 4y = 20$

$3x - 6y = -21$

$x = 1$

$y = 4$

7. $5x - 5y = 5$

$7x + 3y = 27$

$x = 3$

$y = 2$

8. $4x - 8y = -52$

$3x - 7y = -47$

$x = 3$

$y = 8$