



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

Name: _____

Date: _____ Score: _____

1. $8x - 7y = -23$
 $2x - 5y = -35$

2. $6x - 4y = -10$
 $4x - 3y = -9$

3. $2x - 6y = -12$
 $5x + 8y = 62$

4. $5x + 5y = 25$
 $8x - 5y = 14$

5. $7x - 3y = 35$
 $7x - 3y = 35$

6. $2x + 2y = 22$
 $8x + 2y = 40$

7. $2x + 8y = 40$
 $5x - 6y = -4$

8. $3x - 5y = 4$
 $3x + 7y = 16$



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1. $8x - 7y = -23$

$2x - 5y = -35$

$x = 5$

$y = 9$

2. $6x - 4y = -10$

$4x - 3y = -9$

$x = 3$

$y = 7$

3. $2x - 6y = -12$

$5x + 8y = 62$

$x = 6$

$y = 4$

4. $5x + 5y = 25$

$8x - 5y = 14$

$x = 3$

$y = 2$

5. $7x - 3y = 35$

$7x - 3y = 35$

$x = 8$

$y = 7$

6. $2x + 2y = 22$

$8x + 2y = 40$

$x = 3$

$y = 8$

7. $2x + 8y = 40$

$5x - 6y = -4$

$x = 4$

$y = 4$

8. $3x - 5y = 4$

$3x + 7y = 16$

$x = 3$

$y = 1$