Cramers Rule with System of 2 Equations

Use Cramers Rule to solve each system.

1) $6x + 6y = -18$
   $-5x - 5y = -50$

2) $-8x - 3y = -25$
   $7x - y = -18$

3) $-2x - 4y = 20$
   $6x - 9y = 87$

4) $-5x - 5y = -54$
   $5x + 5y = 18$

5) $-x - y = 1$
   $-6x - 6y = 6$

6) $-4x - 4y = -16$
   $-8x - 8y = -32$

7) $-x - 5y = 61$
   $-4x + 8y = -36$

8) $-6x - 9y = 126$
   $5x - y = -54$

9) $3x + 6y = 39$
   $7x - 4y = 19$

10) $-6x + 5y = 22$
    $-4x - 8y = 128$

11) $8x + 5y = -8$
    $2x - 9y = -84$

12) $5x - 3y = 0$
    $-9x + 3y = -12$

Cramers Rule with System of 2 Equations

Use Cramers Rule to solve each system.

1) $6x + 6y = -18$

$-5x - 5y = -50$

No Solution

2) $-8x - 3y = -25$

$7x - y = -18$

(-1 , 11)

3) $-2x - 4y = 20$

$6x - 9y = 87$

(4 , -7)

4) $-5x - 5y = -54$

$5x + 5y = 18$

No Solution

5) $-x - y = 1$

$-6x - 6y = 6$

Infinitely
Many Solutions

6) $-4x - 4y = -16$

$-8x - 8y = -32$

Infinitely
Many Solutions

7) $-x - 5y = 61$

$-4x + 8y = -36$

(-11 , -10)

8) $-6x - 9y = 126$

$5x - y = -54$

(-12 , -6)

9) $3x + 6y = 39$

$7x - 4y = 19$

(5 , 4)

10) $-6x + 5y = 22$

$-4x - 8y = 128$

(-12 , -10)

11) $8x + 5y = -8$

$2x - 9y = -84$

(-6 , 8)

12) $5x - 3y = 0$

$-9x + 3y = -12$

(3 , 5)