EffortlessMath

Math Worksheets

Name: _____

Date: _____

Systems of Equations

Solve each system of equations.

1) $-2x + 2y = 4$ $x =$ ____
$-2x + y = 3$ $y =$ ____

2) $-10x + 2y = -6$ $x =$ ____
$6x - 16y = 48$ $y =$ ____

3) $y = -8$ $x =$ ____
$16x - 12y = 32$

4) $2y = -6x + 10$ $x =$ ____
$10x - 8y = -6$ $y =$ ____

5) $10x - 9y = -13$ $x =$ ____
$-5x + 3y = 11$ $y =$ ____

6) $-3x - 4y = 5$ $x =$ ____
$x - 2y = 5$ $y =$ ____

7) $5x - 14y = -23$ $x =$ ____
$-6x + 7y = 8$ $y =$ ____

8) $10x - 14y = -4$ $x =$ ____
$-10x - 20y = -30$ $y =$ ____

9) $-4x + 12y = 12$ $x =$ ____
$-14x + 16y = -10$ $y =$ ____

10) $x + 20y = 56$ $x =$ ____
$x + 15y = 41$ $y =$ ____

11) $6x - 7y = -8$ $x =$ ____
$-x - 4y = -9$ $y =$ ____

12) $-3x + 2y = -18$ $x =$ ____
$8x - 2y = 28$ $y =$ ____

13) $-5x + y = -3$ $x =$ ____
$3x - 8y = 24$ $y =$ ____

14) $3x - 2y = 2$ $x =$ ____
$5x - 5y = 10$ $y =$ ____

15) $8x + 14y = 4$ $x =$ ____
$-6x - 7y = -10$ $y =$ ____

16) $10x + 7y = 1$ $x =$ ____
$-5x - 7y = 24$ $y =$ ____

Answers

Systems of Equations

1) $x = -1, y = 1$
2) $x = 0, y = -3$
3) $x = -4$
4) $x = 1, y = 2$
5) $x = -4, y = -3$
6) $x = 1, y = -2$
7) $x = 1, y = 2$
8) $x = 1, y = 1$
9) $x = 3, y = 2$
10) $x = -4, y = 3$
11) $x = 1, y = 2$
12) $x = 2, y = -6$
13) $x = 0, y = -3$
14) $x = -2, y = -4$
15) $x = 4, y = -2$
16) $x = 5, y = -7$