

The Elimination Method

Date _____ Period _____

Solve each system by elimination.

1) $-3x + 6y = -18$

$2x - 6y = 16$

$(2, -2)$

3) $3x + 6y = 30$

$-6x - 2y = 10$

$(-4, 7)$

5) $9x - 6y = 24$

$10x + 12y = 8$

$(2, -1)$

7) $2x + 4y = -4$

$8x + 5y = 17$

$(4, -3)$

9) $-4 = -y - \frac{3}{2}x$

$-26 = -7y - 10x$

$(4, -2)$

2) $x - y = -8$

$-x - 2y = -4$

$(-4, 4)$

4) $-7x - 8y = -18$

$14x + 7y = 0$

$(-2, 4)$

6) $-x - 3y = 11$

$4x - y = 8$

$(1, -4)$

8) $-4x + y = 3$

$-8x + 2y = 6$

Infinite number of solutions

10) $-2y + 1 = 9x$

$0 = 15 - 5y - 10x$

$(-1, 5)$