Systems of Equations - Elimination No Multiplication

Date_____ Period____

Solve each system by elimination.

1) $-2x - 8y = 10$
$2x - 6y = 18$

$(3, -2)$

2) $-5x - 4y = -15$
$-x + 4y = -3$

$(3, 0)$

3) $-2x + 9y = -4$
$2x + 3y = -20$

$(-7, -2)$

4) $3x + 2y = -12$
$4x - 2y = -2$

$(-2, -3)$

5) $2x + 5y = 0$
$x + 5y = -10$

$(10, -4)$

6) $7x + 8y = 20$
$7x - y = 29$

$(4, -1)$

7) $-4x + y = 9$
$-4x + 9y = 17$

$(-2, 1)$

8) $-3x - y = 8$
$-8x - y = 23$

$(-3, 1)$

9) $-5x - 4y = -11$
$-4x + 4y = 20$

$(-1, 4)$

10) $-6x - y = -1$
$6x + 6y = -24$

$(1, -5)$

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

$(2, -1)$

12) $4x + 5y = -10$
$-4x - 3y = 14$

$(-5, 2)$

13) $-10x - 8y = 30$
$-10x + 5y = 30$

$(-3, 0)$

14) $-9x + 2y = -24$
$-x + 2y = 8$

$(4, 6)$

15) $3x - 2y = -6$
$x - 2y = -10$

$(2, 6)$

16) $7x - 9y = 5$
$-4x - 9y = -17$

$(2, 1)$

17) $3x + 9 = -3y$
$3y = -5x - 11$

$(-1, -2)$

18) $-5x = -y + 12$
$0 = 3y - 24 - 3x$

$(-1, 7)$

19) $-3y - 8 = -x$
$-7y = -2x + 18$

$(2, -2)$

20) $-y + 4x = 1$
$3x = y$

$(1, 3)$