Elimination Day 2

Date_____

Solve each system by elimination.

1) $9x - 16y = -27$
$10x - 8y = -30$

2) $-12x - 9y = -15$
$-3x + 3y = -30$

3) $8x - 5y = 16$
$-3x + 4y = -6$

4) $-12x - 5y = -6$
$6x - 2y = 30$

5) $10x + 9y = 13$
$-5x + 2y = -26$

6) $5x - 5y = -29$
$-5x + 5y = 25$

7) $-5x - 2y = -11$
$10x + 4y = 10$

8) $7x + 5y = 3$
$7x + 6y = 12$

9) $56x + 21y = 0$
$-48x - 18y = 0$

10) $-7x + 4y = 17$
$-5x + 4y = 3$

Algebra 1 Name_____ ID: 1

Elimination Day 2

Date_____

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1) $9x - 16y = -27$
$10x - 8y = -30$

$(-3, 0)$

2) $-12x - 9y = -15$
$-3x + 3y = -30$

$(5, -5)$

3) $8x - 5y = 16$
$-3x + 4y = -6$

$(2, 0)$

4) $-12x - 5y = -6$
$6x - 2y = 30$

$(3, -6)$

5) $10x + 9y = 13$
$-5x + 2y = -26$

$(4, -3)$

6) $5x - 5y = -29$
$-5x + 5y = 25$

No solution

7) $-5x - 2y = -11$
$10x + 4y = 10$

No solution

8) $7x + 5y = 3$
$7x + 6y = 12$

$(-6, 9)$

9) $56x + 21y = 0$
$-48x - 18y = 0$

Infinite number of solutions

10) $-7x + 4y = 17$
$-5x + 4y = 3$

$(-7, -8)$