

Name _____

SYSTEM OF EQUATIONS-ELIMINATION #2

Directions: Solve each system of equations below by *eliminating* a variable from each system. In order to eliminate a variable, you will have to use multiplication or division to modify both equations.

modified equations

1) $6x + 8y = 70$ $6x + 8y = 70$

$5x + 4y = 37$ $10x + 8y = 74$

x = _____ y = _____

modified equations

2) $4x + 9y = 82$

$5x - 3y = 17$

x = _____ y = _____

modified equations

3) $5x + 8y = 54$

$3x + 2y = 24$

x = _____ y = _____

4) $10x + 5y = 85$

$5x + 2y = 34$

x = _____ y = _____

5) $x + 7y = 16$

$7x - 3y = 8$

x = _____ y = _____

6) $8x + 6y = 90$

$9x + 2y = 87$

x = _____ y = _____

7) $36x + 24y = 264$

$30x + 12y = 156$

x = _____ y = _____

8) $6x - 8y = 36$

$x - 3y = 6$

x = _____ y = _____

9) $18x + 45y = 405$

$12x + 15y = 165$

x = _____ y = _____