Name_____

SYSTEM OF EQUATIONS-ELIMINATION #6

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) **4(x + 2y) = 40**

2x = 16 – 3y

x =_____ y =_____

modified equations

2) **2(x + y) = 24**

12y + 2x = 90 + 8x

x =_____ y =_____

modified equations

3) **7x - y = 10 + 4y**

2y = x + 5

x =_____ y =_____

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4) **10x + 2y = 50**

5x – (-2y) = 35

x =_____ y =_____

5) **-x = -5 – 1/2y**

12x + -6y = 60

x =_____ y =_____

6) **-4(x – 2) = -3 + 3y**

2(y + 1) = x + 2

x =_____ y =_____

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7) **5x + 10y = 74 + 4y**

10x - 8y = 68

x =_____ y =_____

8) **7x - 9y = 32 + x**

7x - 3y = 3 + 5x

x =_____ y =_____

9) **-x = 10 + -y**

-x – (-2y) = 25

x =_____ y =_____