Name_____

SYSTEM OF EQUATIONS-ELIMINATION #5

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) **4x + 8y = 40**

2x = 16 – 3y

x =_____ y =_____

modified equations

2) **2x + 3y = 7**

12y = 28 – 8x

x =_____ y =_____

modified equations

3) **7x = 11 + 3y**

2y = 3x + 1

x =_____ y =_____

4) **10x + 1/2y = 35**

5x – (-2y) = 35

x =_____ y =_____

5) **-x + 1/2y = -5**

6x + -3y = 30

x =_____ y =_____

6) **-4x = 35 + 3y**

2y = -x - 10

x =_____ y =_____

7) **2x + 10y = 60 + 4y**

10x - 10y = 60

x =_____ y =_____

8) **8x - 9y = 42 + 2x**

3x - 3y = 16 + x

x =_____ y =_____

9) **-x = 12 + y**

-x – (-y) = 15

x =_____ y =_____