Name_____

SYSTEM OF EQUATIONS-ELIMINATION #3

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 = 52** *30x + 40y = 260*

5x + 3y = 36 *30x + 18y = 216*

x =_____ y =_____

modified equations

2) **2x + 6y = 46**

5x - 3y = 7

x =_____ y =_____

modified equations

3) **8x + 3y = 56**

9x + 2y = 52

x =_____ y =_____

---

4) **10x + 5y = 90**

5x + 2y = 36

x =_____ y =_____

5) **2x + 7y = 81**

7x - 3y = 36

x =_____ y =_____

6) **5x + 7y = 59**

3x + 2y = 31

x =_____ y =_____

---

7) **36x + 24y = 228**

30x + 10y = 140

x =_____ y =_____

8) **6x - 8y = 48**

8x - 3y = 64

x =_____ y =_____

9) **18x + 54y = 504**

12x + 15y = 189

x =_____ y =_____