Solve by Substitution:

1. $\begin{cases} 2x+3y = 10 \\ y = -x + 2 \end{cases}$

2. $\begin{cases} 6x - y = -4 \\ 2x+2y = 15 \end{cases}$

3. $\begin{cases} x-2y = 1 \\ y = x + 2 \end{cases}$

4. $\begin{cases} x - y = 3 \\ 9 = 3x-3y \end{cases}$

5. $\begin{cases} x + \dfrac{1}{4}y = -3 \\ y - \dfrac{1}{2}x = -3 \end{cases}$

6. Mrs. Pratt wants to buy gifts for her 5 favorite students. If she buys 2 pencils and 3 erasers her total would be $2.40. If she buys 6 pencils and 1 eraser, her total would be $4.80. What is the cost of each pencil and each eraser?

7. Izzie the cat worked out this problem: $\begin{cases} x - y = 5 \\ 2x - 3y = -8 \end{cases}$

Her work is shown here: 2x – 3(x – 5) = -8

2x – 3x – 15 = -8

-x – 15 = -8

-x = 7

x = -7, so y = -12.

Is Izzie correct? Why or why not?