

Homework helping

Friday, March 11, 2022 9:21 AM

1). $x + y = 20.5$

2). $x - y = 6.5$

3). $x + y - (x - y) = 20.5 - 6.5$
↓

Subtract the two equations:

4). $x + y - x + y = 20.5 - 6.5$
↓

5. Cancel one Variable

$$y + y = 20.5 - 6.5$$

6. Combine Like Terms:

$$2y = 20.5 - 6.5$$

↓

7. Calculate the Sum or Difference:

$$2y = 14$$

8. Divide both Sides of the equation by the coefficient of the variable:

$$y = \frac{14}{2}$$

9. Cross out the Common factor:

$$y = 7$$



$$x + 7 = 20.5$$



$$x = 20.5 - 7$$

10. Calculate the Sum or Difference

$$x = 13.5$$

The System of the Solution is:

$$\begin{cases} x = 13.5 \\ y = 7 \end{cases}$$

← your solution! 😊