

Simultaneous Equations!

F.H

The number one rule!

signs are the same: subtract
signs are different: add.

Equations 1:

$$\begin{array}{r} 3x + y = 9 \\ 2x + y = 7 \end{array}$$

First make sure the 2 middle numbers are the same.
In this case there are.

So now, because the signs are the same we will subtract.
Now the sum is:

$x = 2$ - we have now figured out x . Now we have to figure out the value of y . So you will substitute the x with 2 in ~~the~~ either of the equations. I chose this one.

$$\begin{array}{r} 3x + y = 9 \\ 2x + y = 7 \end{array}$$

$$\begin{array}{r} (3 \times 2) + y = 9 \\ 6 + y = 9 \\ y = 9 - 6 \\ y = 3 \end{array}$$

So....

$$x = 2 \quad \text{and...}$$

$$y = 3$$

! You have solved