



Check Up

1. Solve the following system of equations by elimination. Verify the solution.

$$y = 3x + 10$$

$$y = x + 20$$



Compare your answer.

1. Solve the following system of equations by elimination. Verify the solution.

$$y = 3x + 10$$

$$y = x + 20$$

$$\begin{array}{r} y = 3x + 10 \\ - (y = x + 20) \\ \hline 0 = 2x - 10 \\ 10 = 2x \\ 5 = x \end{array}$$

$$y = x + 20$$

$$y = 5 + 20$$

$$y = 25$$

The solution is (5,25).

Verify the solution.

$$y = 3x + 10$$

Left Side	Right Side
y	3x + 10
25	3(5) + 10
	25
LS = RS	

$$y = x + 20$$

Left Side	Right Side
y	x + 20
25	5 + 20
	25
LS = RS	