

2/12/18

1. $10x - 9y = 24$

$10x - 9(x-2) = 24$

$10x - 9x + 18 = 24$

$x + 18 = 24$

$-18 - 18$

$x = 6$

✓ 2. $y = x - 2$ solution

$y = 6 - 2$ $\begin{matrix} x & y \\ (6, & 4) \end{matrix}$

$y = 4$

1/13/18

$y - x = 5$

$y - x = 5$

$+x \quad +x$

$y = 5 + x$

$y = 5 + 1 = 6$

$y = 6$

$\begin{matrix} x & y \\ (1, & 6) \end{matrix}$

$5 + x - 2x = 2x + 2$

$5 + x = 2x + 2$

$+x \quad +x$

$5 = 3x + 2$

$-2 \quad -2$

$\frac{3}{3} = \frac{3x}{3}$

$x = 1$

1/20/18

A class used cars and vans to go on a feild trip because all the buses were already in use.

They used 12 vehicles to go on the trip. Each car holds 4 students and each van holds 8 students. If 80 students went on the trip, then how many of each type of vehicle did the class use.

cars

Total vehicles = 12

$c + v = 12$

vans

Total students = 80

$4c + 8v = 80$

4 students per car

$4c + 8v = 80$

8 students per van

$4 = c$

$8 = v$