

* Find the solution for $y = 5 - 2x$ *

without graphing.

$$\rightarrow 2y + 3x + 13 = 0$$

\uparrow
 $5 - 2x$

$$2(5 - 2x) + 3x + 13 = 0$$

$$10 - 4x + 3x + 13 = 0$$

$$\begin{array}{r} -1x + 23 = 0 \\ +1x \qquad \qquad +1x \end{array}$$

$$23 = x$$

$$(23, -41)$$

\uparrow \uparrow
x y

$$\begin{aligned} y &= 5 - 2x \\ y &= 5 - 2(23) \\ y &= 5 - 46 \\ y &= -41 \end{aligned}$$

by substitution