

* $y = x - 5$

evaluate when $y = -11$

$$\begin{array}{rcl} y & = & x - 5 \\ -11 & = & x - 5 \\ +5 & & +5 \\ \hline -6 & = & x \end{array}$$

solve for x

$$\begin{array}{rcl} y & = & x - 5 \\ & & \uparrow \quad +5 \\ & +5 & \hline y + 5 & = & x \end{array}$$

solve for x

$$y = 5(-x)$$

solve for x

$$\frac{-5}{-5}$$

$$(-1)(y - 5) = (-x)(-1)$$

$$\boxed{-y + 5 = x} \quad \checkmark$$

$$\boxed{5 + -y = x} \quad \checkmark$$

$$\boxed{5 - y = x} \quad \checkmark$$