

SOLVING EQUATIONS

DO I HAVE TO DISTRIBUTE?

$$2 + 5(x-3) - 3(x-9) = x + 2(2x-9)$$



DO I HAVE TO CLEAN UP?

$$2 + 5x + 15 - 3x + 12 = x + 4x - 8$$



DO I HAVE VARIABLES ON BOTH SIDES?

$$2x + 29 = 5x + 8$$



IS THE VARIABLE ISOLATED?

$$29 = 3x + 8$$



IS THE VARIABLE MULTIPLIED?

$$21 = 3x$$



PRACTICE EQUATIONS

$$2x + 5(x + 8) + 6 = 9 + 2(x + 7)$$

$$4 + 6(x - 5) = 2x + 9(x - 3)$$

$$9 + 3(7 + 2x) = 4x + 5x$$

$$x + 1(2x + 5) + 6 = \frac{1}{2}(7x + 28)$$