

4-11

Lesson ~~4-11~~ → Substitution with One Standard Form Equation

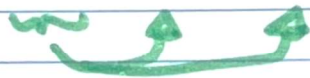
what if we have...

$$y = x - 9$$

$$2x - 3y = 15$$

just substitute as before with "y"!

$$2x - 3(x - 9) = 15$$



$$2x - 3x + 27 = 15$$

$$\begin{array}{r} -x + 27 = 15 \\ -27 \quad -27 \end{array}$$

$$-x = -12$$

$$x = 12$$

Solve for "y" with "x=12"

$$y = x - 9$$

$$y = 12 - 9$$

$$y = 3$$

ANSWER (12, 3)