

Your Name

Mrs. T

9/22/2020

Notes

LESSON 1.5

SOLVING FOR A VARIABLE

Getting y
Variable
by Itself

Standard
form

to
Slope Intercept
form

Solve for y.

1. Move the x term over using + or -
2. Divide by the coefficient of y, Number in front of y
make sure to distribute the division.

$$\begin{array}{r} 3x + y = 7, \text{ for } y \\ -3x \quad -3x \\ \hline y = -3x + 7 \end{array}$$

Write the
x term last
* can't combine

$$\begin{array}{r} 6x - 3y = 12, \text{ for } y \\ -6x \quad -6x \\ \hline -3y = -6x + 12 \\ \hline -3 \quad -3 \\ \hline y = \frac{-6x}{-3} + \frac{12}{-3} \end{array}$$

divide
entire side
each term
gets
divided

or

$$y = 2x - 4$$