Cornell Notes

AVID
Decades of College Dreams

Topic/Objective:
Solving Systems of Equations with Substitution

Name:

Class/Period:

Date:

Essential Question:

Questions:

Notes:

$$\begin{cases} x = -2y + 4 \\ 3x + 2y = 6 \end{cases}$$ ← Tells us exactly what "x" is worth (-2y+4)

$$3x + 2y = 6$$

$$3(-2y+4) + 2y = 6$$ 1) Replace x with what it's worth *Use parenth here

$$-6y + 12 + 2y = 6$$

$$-4y + 12 = 6$$ 2) Find out what y is by solving
$$\quad\quad -12 \quad -12$$

$$\frac{-4y}{-4} = \frac{-6}{-4}$$

$$y = 6/4 = 3/2$$

Summary:

$$x = -2y + 4$$ 3) Insert y value &

$$x = -2(3/2) + 4$$ Solve for x

$$x = -3 + 4 = 1 \qquad x = 1$$

Questions:

Notes:

My Words | Class Words

1)

2)

3)

Summary: