

Math 10: Unit 7.2: (chp 7.3) Solving Linear System of Equations by Substitution

-last time, we solved linear system of equations by graphin

Ex: solve by graphing: $x+3y=-3$ and $-4x+3y=-18$

B) What is solving by substitution?

-have 2 equations, 2 unknowns.

-solve by substitution...like algebra

Ex: $3x+y=5$ and $2x+3y= 1$

Ex: $\frac{x}{2} - \frac{2y}{3} = 2$ and $\frac{x}{4} + 3y = -4$

C) Other possible, weird solutions and what they mean:

i) if answer is odd...or no possible...like $3=5$

ii) if answers are identical...ex: $5=5$; $-3=-3$

-pg 308

- pg 308 #1, 2: left column
- quiz next day: solve by graphing and substitution