#### EDTC 635 – Tools Vis Carrie Wiederholz

## Algebra I SYSTEMS OF EQUATIONS

### **Target Audience**

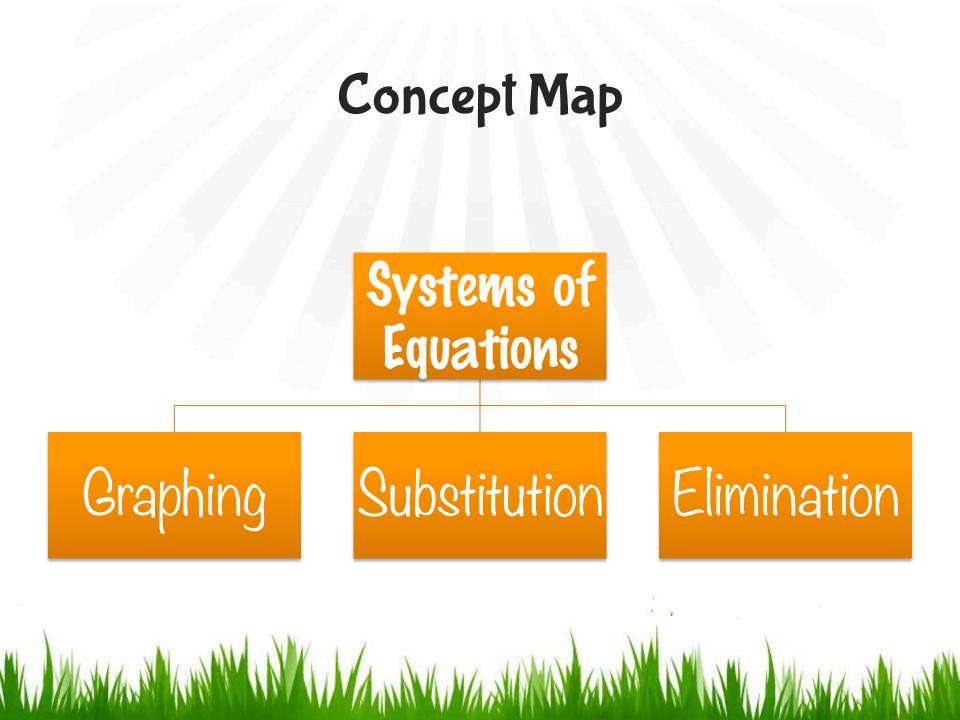


Mini Unit Time Length: 8 days

### Students will be able to:

• Watch videos and take notes

 Solve systems of equations using graphing, elimination and substitution.  A.REI.6 – Solve systems of equations of linear equations exactly and approximately (ex with graphs), focusing on pairs of linear equation in two variables.



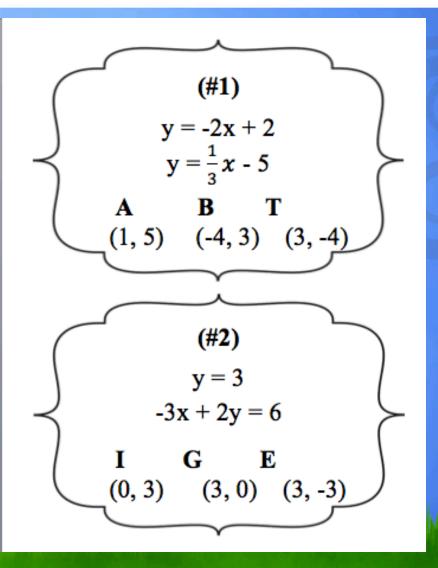
### Days ONE – TWO (Graphing) Watch video on

- Watch video on graphing for homework and take notes.
- Practice Problems
- Watch Graphing Calculator demonstration video
- Complete
  Scavenger Hunt

Graphing Calculator Lesson

## **Scavenger Hunt Practice**

Mase I	Algebra 1
Directions: Walk around the room and o	ns by GRAPHING Scavenger Hunt complete each problem. Remember to abow your ould match up with a corresponding letterthar will of the activity.
What Do Gorillas 5	Sleep On In Fruit Orchards?
#3 #8 #5	#2 #7 #6 #1 #4 5. "use grapting calculator"
2. "alto se voorie to get uito al ope- uitercept foras"	6. "use graphiog calculator"
3. *use graphing calculator*	7. do work by Basd
4. "alsoner monte to get us to allope- ustercept fonds"	8. do wont by basd



### Days THREE – FOUR (Substitution)

- Watch video for homework and take notes.
- Practice
  worksheet –
  Partner Pairup

Section 6.2 Obj. Solve systems of equations using substitution. Examples: 1. Solve. y = 3x

x + y = -32

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Partner Practice

Substitution Match Up

Algeb≁a I

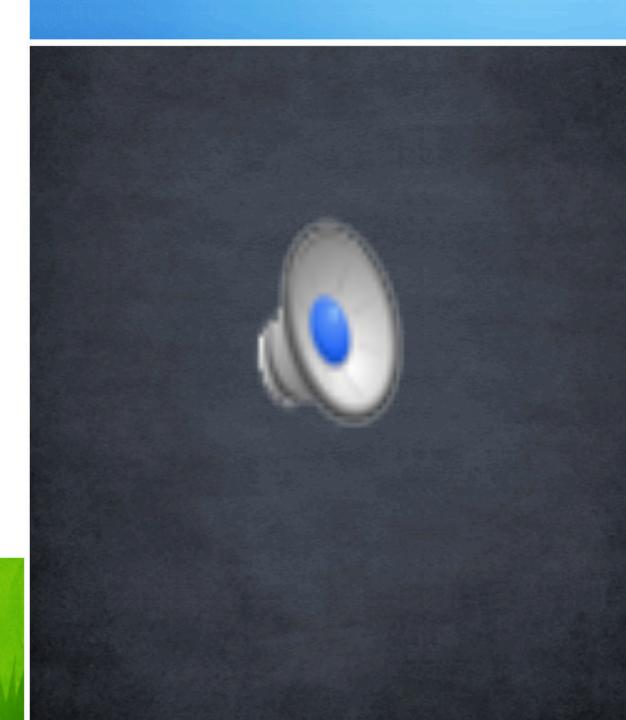
Solve each apten of equations by adoptivition, Portner + I should do the problems on the left and Portner +2 should do the problems on the right, Check your answers with each other so that are problem from the column on the left matches up with a gradient from the right.

on the left motohes up with a problem from the right,		
Partner #1	Partner #£	
[75 i 4g ≈ 24	Red s – Sy ≈ 21	
As a life	-524	
(4, -1)	(4, -5)	
	- ,	
2. <u>ц</u> =Ss=2S	Steros u + 2 - s	
μ≈-2s+27	4s = 3g = -3	
<b>41</b>	13 - 2y 2	
(4, -5)	(2 5)	
(4, -5)	(3, 5)	
3, 25 i 3y = -11	Xelent II S	
4s rg = -7	<u>y</u> = - 2s + 7	
	(n n)	
(	(4, -1)	
(-1, -3)		
4, 2s i y = 8	Green -3s + 2g = -3	
<u>μ</u> = 14s = 40	4se-try	
_		
(3,2)	(-1, -3)	
S, -£s = -18	<u>Blue u = 45 - 10</u>	
-85 i 3y = -9	y=;:1	
	f.'	
(2 5)	(5.5)	
(3, 5)	(3, 2)	

### Days FIVE – SIX (Elimination)

 Watch video for homework and take notes.

 Practice worksheet



Name: Algebra I Section 6.3 - Solving Systems of Equations by ELIMINATION	
1. $-4x - 2y = -12$ 4x + 8y = -24	2. $4x + 8y = 20$ -4x + 2y = -30
3. x - y = 11 2x + y = 19	4. $-6x + 5y = 1$ 6x + 4y = -10
52x - 9y = -25 -4x - 9y = -23	6. 8x+y = −16 −3x+y = −5
7. −6x + 6y = 6 −6x + 3y = −12.	8. 7x + 2y = 24 8x + 2y = 30
9. 5x + y = 9 10x - 7y = -18	10. $-4x + 9y = 9$ x - 3y = -6
113x + 7y = -16	127x + y = -19
-9x + 5y = 16	-2x + 3y = -19

Practice Problems

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# Resources

• Charles, R.I. (2012). Algebra 1: Common Core. Boston, MA: Pearson