

Chapter 2.2 – Solving Systems Algebraically “I Can”

Name: _____

Standards: SE.2.2 / SE.2.3

I Can...

- Solve systems of equations using elimination
- Solve systems of equations using substitution
- Write systems of equations from story problems and then solve
- Explain how you can check your answers

All items in bold should be turned in to me or put in your binder.

_____ **video notes**

_____ **worksheet**

_____ **desmos activity**

_____ resource video

_____ book assignment

_____ extra ws (story problems)

_____ pre-mc

_____ **mastery check**

Pre-mc:

Solve using either substitution or elimination. Show all work.

1. $2t + 3n = 9$
 $5t - 3n = 5$

2. $2y = 8 - 7x$
 $4y = 16 - 14x$

Algebra 2

3. $y = 3 - x$
 $5x + 3y = -1$

4. You are planning a huge graduation party for your friend. You decide to offer both a beef and chicken meal at the party. The chicken dish costs \$5, and the beef dish cost \$7. There will be 250 people at the part, and the total cost of the food is \$1500. How many chicken meals will there be? How many beef meals will there be?
5. A salesperson at an electronics store is given a choice of two different compensation plans. Plan A pays him a weekly salary of \$250 plus a commission of \$25 for each tv sold. Plan B offers no salary by pays \$50 commission for each tv sold. How many tvs must the salesperson sell to make the same amount of money with both plans? Which plan is better? When is plan A better? Which plan would you select and why?