Study Notes - Ch 1

LS/RS - used to determine if a point is on a line (or if it is on 2 lines & satisfies the system)

LS≠RS
- Use a T-chart and also sub in values to BOTH sides of eq^n
- state LS=RS or LS≠RS and ∴ statement

Types of Systems

① consistent/independent * ② coincident/dependent ≠ ③ parallel/inconsistent ≠

Substitution - Solve either equation for one of the variables
- sub that into the <u>other</u> equation
- Solve for the variable ∴ The POI is...
- sub back into <u>either</u> equation

Elimination - Multiply the equations so that one of the coefficients match
- Add/sub the equations

same as substitution
- solve for the variable ∴ The POI is...
- sub back into either eq^n

Word Problems - make two let statements
- make two equations
- solve using sub/elim
- ∴ statement

<u>Types</u>
① Basic - age/measurement
② Investing
③ Mixing
④ Speed d=rt
⑤ Current