

Week: March 8 - 12

Algebra Assignments:

Literature Assignments:

PUT THESE ASSIGNMENTS IN YOUR ASSIGNMENT NOTEBOOK!!!

Due: (Show work)

Mon. Rm 206 - Practice 1:30 - 4 P.M.

**Mon. Classwork: p. 393 WE 1-10
p. 395 P 1-10, Print Answer Key**

Tues. Rm 207 - Practice 1:30 - 4 P.M.

Tues. Classwork: p. 407 # 1 - 36, Voc. 9-1

Wed. Rm 206 - Practice 1:30 - 4 P.M.

**Wed. Classwork: Slope activity,
Future Basic Lesson 8**

Thurs. Rm 207 - Practice 1:30 - 4 P.M.

Thurs. none

Fri. Rm 206 - Practice 1:30 - 4 P.M.

Fri. Test Chapter 8, Voc. Ch. 8

Mon. Rm 206 - Practice 1:30 - 4 P.M.

Mon. p. 414 OE 1-9, WE 1-18, Voc. 9-2

Tues. Rm 207 - Practice 1:30 - 4 P.M.

***One line of paper per line of work. Skip line between problems. Fold paper in half. Problems done in class on the left side, those remaining on the right side. Numerators on 1 line, denominators on 2nd line. Vocabulary check score in margin on right. Correct in red pen. Any problems not done are to be recorded during check. If you earn extra credit indicate the points at the top of your paper. If you want auction money instead of extra credit, put a \$ sign by vocabulary score and/or extra credit.**

Heading and title must be complete.

Work done in pencil. Errors are erased, not crossed out.

Before passing in your paper put your first and last name on the back of the last page

*** CS = Complete sentences, include question in answer, no pronouns without corresponding noun. Skip line between answers. Type all work not done in class. Use cursive for classwork. Use erasable pen. Follow writing standards. Scoring Marks: Gr = grammar error, P = use of pronoun without noun, M = meaning of voc. term is not clear, Sp = spelling error, NAS = not a sentence, Q in A = missing question in answer, D = incorrect definition, ans = answer ✓**

Voc. 9-1 Solving Systems of Linear Equations

1) **System of equations:** 2 or more equations of the same variables.

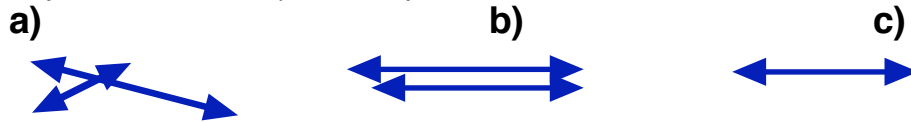
Ex. $x + y = 3$ $y = 3x + 1$

2) **Solve a system:** find all ordered pairs (x,y) that make both equations true.

3) **Method 1 - Graphing:**

Graph both equations.

- a) if lines intersect = 1 solution
- b) if lines parallel = no solution
- c) if lines coincide (same line) = infinite solutions



Voc. 9-2 Method 2 - Solving a System Substitution

Steps:

- a) solve equation for one variable
- b) substitute the result into the other equation and solve for remaining variable.
- c) substitute value in 1st equation and find other value.
x, y

Ex. Solve $x + y = 15$ (?, ?)
 $4x + 3y = 38$

Handwritten solution showing the substitution method:

$$\begin{aligned}
 x + y &= 15 \\
 x &= -y + 15 \\
 &= -22 + 15 \\
 &= -7
 \end{aligned}$$

Substitute back:

$$\begin{aligned}
 4x + 3y &= 38 \\
 4(-y + 15) + 3y &= 38 \\
 -4y + 60 + 3y &= 38 \\
 -y + 60 &= 38 \\
 \underline{-60} \quad \underline{-60} \\
 -y &= -22 \\
 y &= 22
 \end{aligned}$$

Final answer: $(-7, 22)$