

Show all of your work on loose-leaf. Problems should be organized and in order, and it should be done in a clear manner. #6's graph is to be completed on graph paper. I will not mark an answer correct unless it has the work to go along with it. **DUE ON THURSDAY NOVEMBER 8TH. (there are NO exceptions to these due dates!!)**

*** PLEASE SEE THE REVERRESE SIDE FOR GENERAL RULES AND GUIDELINES FOR THIS ASSIGNMENT ***

1.) Using the sets D, E, and F, find the following. You may create your own Venn diagram if needed. (1 pt each)

$$D = \{x \mid x \in W, -2 \leq x \leq 4\}$$

$$E = \{x \mid x \in Z, -4 < x < 6\}$$

$$F = \{x \mid x \in N, x \leq 7\}$$

a.) $D \cap F$

b.) $(D \cup E) \cap F$

c.) $(F \cap E)'$

d.) $(D \cup E) \cap (D \cup F)$

e.) E'

f.) $(D \cap F) \cap E'$

2.) Solve each. (2 pts each)

a.) $3x - (x - 5) - 2 = x - 3 + 6$

b.) $\frac{3}{8}x + \frac{5}{4} = x - \frac{3}{2}$

c.) $\frac{1}{4}(9 - 2x) = \frac{1}{8}(3x - 3)$

d.) $-4(5x + 2) + 34x = 32 + \frac{2}{7}x$

3.) Find the x and y intercepts of each. (2 pts each)

a.) $y = -\frac{1}{3}x - 5$

b.) $2x - y = 17$

c.) $\frac{1}{2}x + 2y = -3$

4.) Simplify $\frac{2}{3}(x - 1) - \frac{3}{4}(2x - 2)$ (2 pts)

5.) State all of the sets of numbers to which each belongs. (1 pt each)

a.) $\sqrt{20}$

b.) $-\frac{5}{7}$

c.) 10

6.) Find and state the slope and the y-intercept of the line $2x - \frac{1}{3}y = 3$. Then, graph the line on graph paper, plotting at least 3 points. You may scale your graph if desired. (3 pts)

7.) If $f(x) = -3x + 2$ and $g(x) = 2x^2 + 7x$, find: (1 pt each)

a.) $f(-11)$

b.) $f(x) = 11$

c.) $g(-3)$

d.) $g(-\frac{1}{3})$

8.) Write $2x - \frac{1}{3}y = 3$ in slope-intercept form. State the slope and the y-intercept. (3 pts)

9.) Solve $\frac{3x+1}{-5} = \frac{4-2x}{3}$ (1 pt)

MPS Math Department Rules & Guidelines for Extra Practice Assignments

- They're given no more than once per term
- All work must be shown to receive credit (there are obvious times where work for some steps is not needed. However, if you only provide the answer and there is NO work to accompany it, no credit will be given for that problem)
- All work must be done on notebook paper
- All problems must be completed in order, and work must be neat (if I cannot read it, I cannot grade it)
- Please circle all answers (not required, but this helps me TREMENDOUSLY!! ☺)
- You may write on the extra practice handout itself as much as you please, however it will NOT be looked at when grading the assignment. All answers must be on notebook paper
- When I grade it, I either mark it right or wrong. There is no partial credit given, and I make zero corrections myself
- If you come to me/another teacher/math lab with questions, you cannot ask "how to do the problem". You are to utilize your resources: textbook, notes, internet, etc. to at the very least get a head start on the problems. Questions should be specific to steps within the problems
- You must turn it in at the very beginning of class (on the due date) for it to be considered on time. If it is not turned in on time, you will not get the option to do corrections
- I cannot check your answers before it is submitted
- If you need to stop in with questions, please let me know via email so I am sure to be there

Corrections – OPTIONAL!!

- When you get it back, you have the OPTION to redo the problems you missed to receive up to half credit back for each point missed
 - All corrections must be completed on NEW notebook paper (DO NOT erase/correct the work you did originally)
 - Corrections must consist of you entirely redoing the problem(s) that were incorrect
 - When you submit corrections, they must be stapled to your original work
 - These corrections must be neat and in order just like your original work

Due dates have ZERO exceptions!!! If you turn in your extra practice late the first time, you do not have the option to do corrections. You CANNOT turn in your corrections late. If I do not get corrections from you the day they're due, you will receive your original score.