Assignment 5: E.S. 35 I(a-c), II(a-c), III(a,d), V

Note: on part II, convert each equation into functional form before graphing. (This is what we did in Monday's class.)

35 I Make a function table for each of the following equations (either guess or calculate.) The function table should have at least three ordered pairs.

a. $2x + 3y = 12$ b. $4x + 4y = 9$
c. $3x - 6y = 10$

35 II Graph these linear equations:

a. $2x + 4y = 8$ b. $2x - 3y = -1$
c. $7y - 3x = 8$

35 III Write the following linear equations in standard form.

a. $3x - 27 = 5$ d. $2x - 5 = 3y$

35 V Solve the following pairs of equations simultaneously for x and y, *by graphing*. Check your answers by substituting them back into the original equations.

a. $\begin{cases} -x + 2y = 0 \\ 2x - y = 3 \end{cases}$ b. $\begin{cases} 3x - y = 8 \\ x + y = 0 \end{cases}$

c. $\begin{cases} x - y = 3 \\ 4x + 3y = 12 \end{cases}$ d. $\begin{cases} x = -1 \\ x + y = 5 \end{cases}$

e. $\begin{cases} x = 3 \\ y = -2 \end{cases}$ f. $\begin{cases} 3x - 7y = -27 \\ 4x + y = -5 \end{cases}$