Math 112 - College Algebra MacMillan

Notes for Week #13 (4/13)

1. Test #3 is this Wednesday. The test will cover sections 3.1, 3.2, 4.1, 4.2, and 4.3. This includes worksheets we have completed in class. Make sure you bring your calculator on Wednesday.

2. Is your Review Worksheet completed?

3. As always, if you are unable to attend class the day of a test, you need to contact me immediately to make arrangements to make it up. Do not wait for the next class period! It should be made up by then.

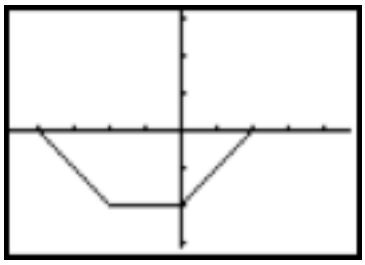
4. We begin logarithms on Friday. Don't miss it!

Assignment #10 Due Monday 4/20

Day	Practice Problems	Problems To Turn In
Monday	1. Finish **Workbok Problems** from today's class.	1. None. Study for the test!
Wednesday	2. None	2. Review Problems below for Assignment #10
Friday	3 4.4 #1, 3, 5(a), 7(a), 33, 35	3. 4.4 #2, 4, 6(b), 8(b), 36 Note: Instead of doing the instructions stated in the textbook for #36, follow these directions. State the geometric transformations applied to the basic function y=lnx, the equation of the asymptote (there is only one), and sketch the graph of the functions without your calculator.

Review Problems for Assignment #10

1. Given the graph of y = f(x) shown.



   a. Sketch a graph of y = -f(2x).

   b. Sketch a graph of y = 2f(-x).

   c. Evaluate $(f \circ f)(1)$.

2. Find the equation of the line perpendicular to the line with equation 3x + 5y = 7, that passes through the point (-2 , 4).

3. Find the vertex of the parabola $y = x^2 - 4ax - 5a^2$. Write your answer as an ordered pair in terms of a.