

Notes for Week #5 (2/9)

1. Tomorrow is the last day to drop a class with WebReg.

Practice Problems for Assignment #4:

Monday: Section 1.5 #1, 7, 21, 49

Note: The instructions for #1, 7, 21, and 49 say to “use a graphing calculator to graph each function”. Actually, these functions should be graphed without your calculator by applying geometric transformations to the basic function. In addition to sketching a graph of the function, you should state the geometric transformations that you apply to the basic function.

Wednesday: Section 1.5 #15, 33, 39

Friday: Section 1.5 #53, 55, 57, 59, 61

Problems to turn in for Assignment #4: (Due Monday, 2/16)

Monday:

1. Algebra Application Problem - “Roll ‘em”

Wednesday:

2. Section 1.5 #8, 50

Note: The instructions for #8 and 50 say to “use a graphing calculator to graph each function”. Actually, these functions should be graphed without your calculator by applying geometric transformations to the basic function. In addition to sketching a graph of the function, you should state the geometric transformations that you apply to the basic function.

3. Section 1.5 #16, 36

Note: Make sure your graphs of these functions are done neatly to show the important points.

Friday:

4. “Guess the Function!” Each of the graphs below can be obtained by applying geometric transformations to the graph of a “basic function”. Determine an equation for each graph. The ordered pairs given on the graph should help you determine the factor of expansion/compression, if applicable.

