Assignment #3-1   Secondary 3 Honors

PreCalculus Book:

      Pg 127   6-9, 19, 20, 22, 106, 108

Carnegie Book:

      Pg. 220   1 (a, b, c, d, e)

      Pg. 223   Factor each of the polynomials in the chart. You do not need to fill in the rest of the chart.

Additional Problems: Complete these problems on a separate sheet of paper.

1.   List the zeros and end behavior and graph the polynomial.

$$f(x) = -3(x-2)(x+1)^3(4-x)^2$$

2.   Make a number line for the polynomial in #1 to show where f(x) is positive and negative. (See example #9 in Unit 2 day 6 notes.)

3.   Given the graph of g(x), graph the following.

      a. $-g(2x)$ b. $|g(x)|$

      c. $g(|x|)$ d. $g(-x)$

      Refer to your graphing adjustment sheet for help.