**Lesson #13-3: Understanding Polynomial Functions and Sketching Graphs of Polynomial Functions**                          **(Reference: Lesson #101 in book)**

**Problem**

1. **Graph each of the following polynomial functions on a graphing sheet of paper using the procedure we discussed in class. (SHOW ALL OF YOUR WORK TO RECIEVE FULL CREDIT).**

    1. $f(x) = x^3 - 5x^2 - x + 5$

    2. $f(x) = -2x^4 + x^3 - 7x^2 + 4x + 4$

    3. $f(x) = -x^4 - 2x^3 + 5x^2 + 6x$

    4. $f(x) = 2x^3 + 2x^2 - 8x - 8$

    5. $f(x) = -x^4 - 5x^3 - 5x^2 + 5x + 6$