

**Homework #9 – Polynomial Review**

Name \_\_\_\_\_

**Do the work on the other side of this paper or on a separate paper.**

Per \_\_\_\_\_ Date \_\_\_\_\_

1. Create your own polynomial of at least degree 4 and find all of the following:
  - a. Equation in Factored Form (it will help if you start with this form)
  - b. Equation in Standard Form (hint: multiply/FOIL)
  - c. Degree
  - d. Leading Coefficient
  - e. End Behavior
  - f.  $y$ -intercept
  - g. Total number of zeros
  - h. What are the zeros?
  - i. Graph below:

