Polynomial and Rational Functions Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A2RCC U8D3 Homework





***Exercise #2:***

**Review:**

1. Circle the polynomial functions. Put them in standard form and state a) the degree, b) # of terms, c) leading term, d) leading coefficient, e) end behavior, and e) constant term.

A) B) C)

 D) E)F)

1. Determine whether each of the following functions is a power function. If it is, identify and . If it isn't, then tell why.

A) B) C)

 D) E) F)

1. For each graph of a polynomial function, determine a) whether the exponent of the controlling term is odd or even, b) the sign of the leading coefficient, c) the x-intercepts, and d) the factors of the function
2. Solve the following polynomial functions algebraically.
3. **b)**