

Algebra Essentials and Applications Internet Activity

ME1 Polynomials Investigations

1. Write definitions of *degree*, *term*, and *constant* in your own words.

2. Do all polynomials have a constant term? Explain.

3. Go to the “Computing Polynomial Values” site and complete Exercises a, b, c, and d. How many operations (additions and multiplications) do you save by using the nested form to evaluate the polynomial? How many operations would the nested form save you if you were evaluating a polynomial of degree 10?

4. Which method of computing the value of a polynomial do you prefer, substitution or nesting? Why?
