

WORKBOOK EXAMPLES

CHAPTER 4

MATH 1100

Course Coordinator: Luiza DeSouza

21 March 2020



OUTLINE

1 §4.1: POLYNOMIAL FUNCTIONS AND MODELS

OBJECTIVES

Determine the behavior of the graph of a polynomial function using the leading term test.

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Determine the behavior of the graph of a polynomial function using the leading term test.

Factor polynomial functions, and find the zeros and their multiplicities.

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where the coefficients $a_n, a_{n-1}, \dots, a_1, a_0$ are real numbers and the exponents are whole numbers.

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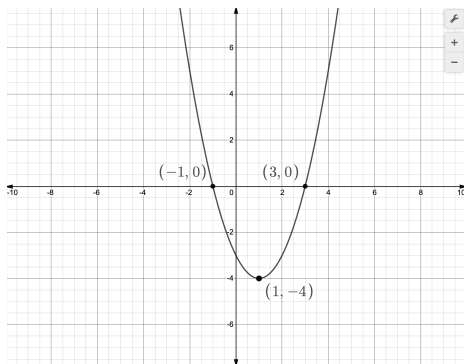
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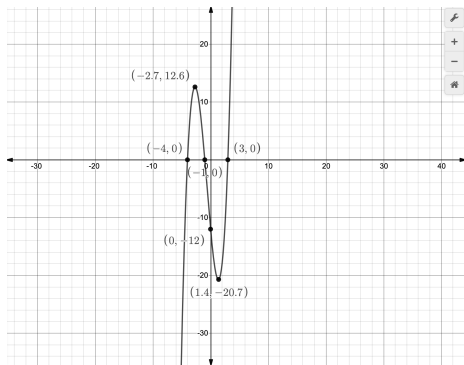
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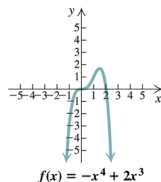
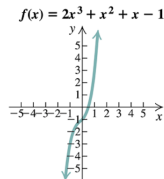
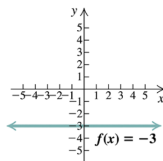
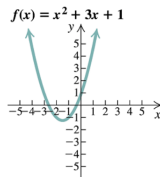
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EXAMPLES OF POLYNOMIAL FUNCTIONS

FIGURE: Polynomial Functions



EXAMPLES OF NONPOLYNOMIAL FUNCTIONS

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