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## Basic Algebra – Unit 4: Introduction to Algebra

### Study Guide

**Text:** Introductory Technical Mathematics, 6th Edition, Chapter 12

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**Note:** Do “Odd” numbered problems only

1. Review course structure.
2. Review “Understanding Algebra,” found at: <http://florida.theorange grove.org/og/file/66b477dc-7824-fa97-6bf9-2afd81af94f4/1/Understanding%20Algebra.pdf>
3. Complete the problems on Polynomials found at: <https://www.khanacademy.org/math/algebra-basics/quadratics-polynomials-topic/polynomial-basics-core-algebra/v/terms-coefficients-and-exponents-in-a-polynomial>
4. Read pages 320 to 325: Symbolism, Algebraic Expressions and Evaluation of Algebraic Expressions (12.1, 12.2 and 12.3).
5. Complete the problems on Variables and Unknowns found at: <https://www.khanacademy.org/math/algebra/seeing-structure-in-expressions/evaluating-expressions-with-unknown-variables/v/evaluating-expressions-with-unknown-variables-2>
6. Do Exercises 12.2, pages 322-323, # 1-19 and # 25-33 for practice.
7. Do Exercises 12.3, pages 325-327, # 1-15 for practice.
8. Complete the problems on Words to Equations found at: <https://www.khanacademy.org/math/algebra-basics/core-algebra-systems/core-algebra-systems-word-problems/v/using-a-system-of-equations-to-find-the-price-of-apples-and-oranges>
9. Complete Unit Lab/Test in lab. See lab instructor.





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