

Cover Page

MTE 6

Developmental Mathematics

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Dean's Review:

Dean's Signature: _____ Date Reviewed: ___/___/___

VIRGINIA WESTERN COMMUNITY COLLEGE
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MTE 6

Developmental Mathematics

COURSE OUTLINE

Prerequisites and Course Description:

COURSE TITLE	CREDITS	COURSE DESCRIPTION
MTE 6: Exponents, Factoring and Polynomial Equations	1 credit	The student will learn to perform operations on exponential expressions and polynomials. Students will also learn techniques to factor polynomials and use these techniques to solve polynomial equations. Emphasis should be on learning all of the different factoring methods, and solving application problems using polynomial equations. Credit for this course can be achieved by completing the appropriate MTT course. Credit is not applicable toward graduation. Prerequisite: MTE 5 or qualifying placement score

Semester Credits: 1 Lecture Hours: 1

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Course Outcomes

At the completion of this course, the student should be able to:

Unit	Unit Name	Unit Description
MTE 6	Exponents, Factoring and Polynomial Equations	The student will learn techniques to factor polynomials and use these techniques to solve polynomial equations. Emphasis should be on learning all the different factoring methods, and solving application problems using polynomial equations.

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Required Materials:

Headphones, 3-ring Binder

MTE 6 also requires a Scientific Calculator

Textbook:

Foundations of Mathematics for Virginia, Access Code, Hawkes Learning, ISBN #:
9781941552643

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Topical Description:

Each Unit requires the student to complete 8 Homework Assignments, a Practice Test, Personalized Review, and a Final Exam. A student must complete the homework assignments and review with 90% accuracy. In order to pass the unit a student must pass the final exam with a minimum score of 75%. As a minimum pace, the student must complete 5 assignments and/or Final Exams every two weeks. Below is a list of which sections in the book are covered on each homework assignment.

MTE 6 – Exponents, Factoring and Polynomial Equations (Scientific Calculator)

HW 1: Sections 13.1, 13.2

HW 2: Sections 13.3, 13.4

HW 3: Sections 13.5, 13.6

HW 4: Section 14.1

HW 5: Sections 14.2, 14.3

HW 6: Sections 14.4, 14.5

HW 7: Section 14.6

HW 8: Section 14.7

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