

Cover Page

MTE 8

Developmental Mathematics

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Dean's Review:

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

VIRGINIA WESTERN COMMUNITY COLLEGE
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MTE 8

Developmental Mathematics

COURSE OUTLINE

Prerequisites and Course Description:

COURSE TITLE	CREDITS	COURSE DESCRIPTION
MTE 8: Rational Exponents and Radicals	1 credit	Includes simplifying radical expressions, using rational exponents, solving radical equations and solving applications using radical equations. Credit for this course can be achieved by completing the appropriate MTT course. Credit is not applicable toward graduation. Prerequisite: MTE 7 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 8	Rational Exponents and Radicals	The student will simplify radical expressions, and use rational exponents. The student will solve radical equations and use them to solve application problems.

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Required Materials:

Headphones, 3-ring Binder
MTE 8 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 8 – Rational Exponents and Radicals (Scientific Calculator)

HW 1: Section 16.1

HW 2: Section 16.2

HW 3: Section 16.3

HW 4: Section 16.4

HW 5: Section 16.5

HW 6: Section 16.6 (Equations)

HW 7: Section 16.6 (Problem Solving)

HW 8: Section 16.7

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