

# Virginia Western Community College

## MTE 8

### Rational Exponents and Radicals

#### Prerequisites

MTE 7 or a qualifying placement score.

#### Course Description

Includes simplifying radical expressions, using rational exponents, solving radical equations and solving applications using radical equations. Credit is not applicable toward graduation.

**Semester Credits: 1**

**Lecture Hours: 1**

#### Required Materials

##### **Textbook:**

MyLabs Plus Access Code. Pearson Publishing. ISBN: 9780558927189.

##### **Other Required Materials:**

Scientific calculator, Headphones, 3-ring binder

#### Course Outcomes

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

- Simplify radical expressions, and use rational exponents.
- Solve radical equations and use them to solve application problems.

#### Topical Description

Each unit requires the student to complete eight homework assignments, a practice test, personalized review, and a final exam. Students must complete the homework assignments and review with 90% accuracy. As a minimum pace, students must complete five assignments and/or final exams every two weeks. In order to pass the unit, students must pass the final exam with a minimum score of 75%.

<u>Homework Assignment Number</u>	<u>Sections Covered</u>
1	16.1
2	16.2
3	16.3
4	16.4
5	16.5
6	16.6 (Equations)
7	16.6 (Problem Solving)
8	16.7

#### Notes to Instructors

None.