

College Algebra

Date:

Items Needed: Book, Smartboard file “Radicals and Rational Exponents”, Note Packet-Section 9-1 & 9-2

Objective: The students will be able to work with the rules of exponents to simplify or evaluate expressions.

PA Common Core Standard:

Lesson:

- Discuss what perfect squares, perfect cubes, perfect 4's are.
- Look at the definitions on the first page of the notes.
- Find the answers to the roots on the first page.

- Talk about the properties and inverse properties of an n th root.
- Do the 4 examples on that same page.

- Go over the rules of exponents.
- Do all the examples on the next screen
- Do likewise on the next screen.

- Discuss what a radical function is and how to substitute a value into that function.
- Do the next two examples.
- Discuss what a domain of a radical function is.

Assignment: Have students do 1-16, p. 442.
Have students do 31-46, p. 444.
Have students do 51-54, 67-74, p. 445.
Have students do 79-84, p. 447.

Evaluation: (Could be from any one/several of the following)

Responses from classroom questions
Results of classroom sample problems
Homework responses
Check answer with Calculator
End of the section exam

Enrichment: