

College Algebra

Date:

Items Needed: Book, Smartboard file “Multiplying and Dividing Radical Expressions”, Note Packet-Section 9-3 & 9-4

Objective: The students will be able to use the distributive property to multiply radical expressions, find conjugates and multiply them, and to simplify fractions if necessary by rationalizing the denominator.

PA Common Core Standard:

Lesson:

- Do all the examples on the next slide.
- Discuss what the purpose of a conjugate is and point out that the result should not have radical in it when you are finished multiplying them together.
- Do the next two examples.
- Look at a fraction with a radical on the bottom and discuss the process of getting rid of that radical expression.
- Do the next 6 examples.

Assignment: Have students do 1-19 (odd), p. 468.
Have students do 22-34, (even), p. 469.
Have students do 35-47 (odd), p. 470.
Have students do 52-58 (even), 61, 63, p. 471
Have students do 71, 73, 75, 79, p. 473

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: