College Algebra

Date:

Items Needed: Book, Smartboard file "Radical Equations and Applications", Note Packet-Section 9-5

Objective: The students will be able to solve a radical equation by raising each side to the nth power and to solve application problems involving radical equations.

PA Common Core Standard:

Lesson:

- Note: what you do to one side of an equation you must do to the other.
- That includes taking both sides to the nth power.
- Do the example.
- Remind students that you must check your solution because when the radical is removed, an "extraneous solution" may be introduced, a solution that doesn't work.
- Do the next example to show an extraneous solution.
- Do the next 4 examples.

- Do the practice examples 8 & 9, p. 480.

Assignment: Have students do 5-25 (odd), p. 476.
                Have students do 28-38, (even), p. 478.
                Have students do 40, 42, 51, 52, 53, p. 479.

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: