


Lesson Plan 8-6

Radical Expressions and Rational Exponents pp. 610–617 Day _____

Objectives Rewrite radical expressions by using rational exponents. Simplify and evaluate radical expressions and expressions containing rational exponents.

 **TEKS 2A.2.A:** Foundations for functions: use tools including factoring and properties of exponents to simplify expressions ...

Pacing

45-minute Classes: 1 day 90-minute Classes: 1/2 day Other _____

WARM UP

- Warm Up TE p. 610 and [Warm Up Transparency 8-6](#)
- Countdown to TAKS SE Week 18 and Countdown to TAKS Transparency Week 18

TEACH

- Lesson Presentation CD-ROM 8-6
- [Alternate Opener, Exploration Transparency 8-6, TE p. 610](#)
- Reaching All Learners TE p. 611
- [Additional Examples Transparencies 8-6](#)
- [Teaching Transparency 8-6](#)
- [Texas Know-It Notebook 8-6](#)

PRACTICE AND APPLY

- Examples 1-3: Basic: 30–44, 77–79, 82 Average: 30–44, 77–79, 82 Advanced: 30–44, 77–79, 82, 91
- Examples 1-6: Basic: 30–72, 77–82, 84–88, 93–100 Average: 30–90, 93–100 Advanced: 30–80, 82–100

REACHING ALL LEARNERS – Differentiated Instruction for students with

| Developing Knowledge | On-level Knowledge | Advanced Knowledge | English Language Development |
|--|---|---|---|
| <input type="checkbox"/> Inclusion TE p. 611, 615 | <input type="checkbox"/> Auditory Cues TE p. 611 | <input type="checkbox"/> Auditory Cues TE p. 611 | <input type="checkbox"/> Auditory Cues TE p. 611 |
| <input type="checkbox"/> Practice A 8-6 CRB | <input type="checkbox"/> Practice B 8-6 CRB | <input type="checkbox"/> Practice C 8-6 CRB | <input type="checkbox"/> Practice A, B, or C 8-6 CRB |
| <input type="checkbox"/> Reteach 8-6 CRB | | <input type="checkbox"/> Challenge 8-6 CRB | <input type="checkbox"/> Success for ELL 8-6 |
| <input type="checkbox"/> Homework Help Online Keyword: MB7 8-6 | <input type="checkbox"/> Homework Help Online Keyword: MB7 8-6 | <input type="checkbox"/> Homework Help Online Keyword: MB7 8-6 | <input type="checkbox"/> Homework Help Online Keyword: MB7 8-6 |
| <input type="checkbox"/> Lesson Tutorial Video 8-6 | <input type="checkbox"/> Lesson Tutorial Video 8-6 | <input type="checkbox"/> Lesson Tutorial Video 8-6 | <input type="checkbox"/> Lesson Tutorial Video 8-6 |
| <input type="checkbox"/> Reading Strategies 8-6 CRB | <input type="checkbox"/> Problem Solving 8-6 CRB | <input type="checkbox"/> Problem Solving 8-6 CRB | <input type="checkbox"/> Reading Strategies 8-6 CRB |
| <input type="checkbox"/> Questioning Strategies TE p. 611, 612, 613 | <input type="checkbox"/> Number Sense TE p. 616 | <input type="checkbox"/> Critical Thinking TE p. 612 | <input type="checkbox"/> Lesson Vocabulary SE p. 610 |
| <input type="checkbox"/> IDEA Works! 8-6 | | | <input type="checkbox"/> Multilingual Glossary |

ASSESSMENT

- Lesson Quiz, TE p. 617 and [Transparency 8-6](#)
- [Texas Test Prep Online](#) Keyword: MB7 TestPrep