


Lesson Plan 7-6

The Natural Base, e pp. 531–536 Day _____

Objectives Use the number e to write and graph exponential functions representing real-world situations. Solve equations and problems involving e or natural logarithms.

 **TEKS 2A.4.A:** Algebra and geometry: identify and sketch graphs of parent functions, including ... exponential ($f(x) = a^x$) and logarithmic ($f(x) = \log_a x$) functions ...

Pacing

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

WARM UP

- Warm Up TE p. 531 and [Warm Up Transparency 7-6](#)
- Countdown to TAKS SE Week 16 and Countdown to TAKS Transparency Week 16

TEACH

- Lesson Presentation CD-ROM 7-6
- [Alternate Opener, Exploration Transparency 7-6, TE p. 531](#)
- Reaching All Learners TE p. 532
- [Additional Examples Transparencies 7-6](#)
- [Teaching Transparency 7-6](#)
- [Texas Know-It Notebook 7-6](#)

PRACTICE AND APPLY

- Examples 1-2: Basic: 13–20 Average: 13–20 Advanced: 13–20, 44
- Examples 1-4: Basic: 13–23, 27–36, 39–44, 48–58 Average: 13–25, 27–36, 38–44, 47–58 Advanced: 13–26, 31–38, 40–58

REACHING ALL LEARNERS – Differentiated Instruction for students with

Developing Knowledge	On-level Knowledge	Advanced Knowledge	English Language Development
<input type="checkbox"/> Inclusion TE p. 534	<input type="checkbox"/> Number Sense TE p. 532	<input type="checkbox"/> Number Sense TE p. 532	<input type="checkbox"/> Number Sense TE p. 532
<input type="checkbox"/> Practice A 7-6 CRB	<input type="checkbox"/> Practice B 7-6 CRB	<input type="checkbox"/> Practice C 7-6 CRB	<input type="checkbox"/> Practice A, B, or C 7-6 CRB
<input type="checkbox"/> Reteach 7-6 CRB		<input type="checkbox"/> Challenge 7-6 CRB	<input type="checkbox"/> Success for ELL 7-6
<input type="checkbox"/> Homework Help Online Keyword: MB7 7-6	<input type="checkbox"/> Homework Help Online Keyword: MB7 7-6	<input type="checkbox"/> Homework Help Online Keyword: MB7 7-6	<input type="checkbox"/> Homework Help Online Keyword: MB7 7-6
<input type="checkbox"/> Lesson Tutorial Video 7-6	<input type="checkbox"/> Lesson Tutorial Video 7-6	<input type="checkbox"/> Lesson Tutorial Video 7-6	<input type="checkbox"/> Lesson Tutorial Video 7-6
<input type="checkbox"/> Reading Strategies 7-6 CRB	<input type="checkbox"/> Problem Solving 7-6 CRB	<input type="checkbox"/> Problem Solving 7-6 CRB	<input type="checkbox"/> Reading Strategies 7-6 CRB
<input type="checkbox"/> Questioning Strategies TE p. 532, 533	<input type="checkbox"/> Critical Thinking TE p. 533	<input type="checkbox"/> Technology p. 532	<input type="checkbox"/> Lesson Vocabulary SE p. 531
<input type="checkbox"/> IDEA Works! 7-6			<input type="checkbox"/> Multilingual Glossary

ASSESSMENT

- Lesson Quiz, TE p. 536 and [Transparency 7-6](#)
- [Texas Test Prep Online](#) Keyword: MB7 TestPrep