

Base e and Natural Logarithms (pp. 554–559)

Day 1: Base e and Natural Logarithms

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/Resources Needed: _____

Objective

____ Evaluate expressions involving the natural base and natural logarithms.

____ State/Local Objectives: _____

Focus

____ Collection of homework

____ *5-Minute Check Transparencies*, Lesson 10-5

Teach

____ Examples 1–4, *SE*, pp. 554–555

____ In-Class Examples 1–4, *TWE*, p. 555

____ *Interactive Chalkboard*, *CD-ROM*, Lesson 10-5

____ algebra2.com/extra_examples

____ Check for Understanding, Exercises 1, 4–11, *SE*, p. 557

Practice/Apply

Homework Assignments

____ Practice and Apply, Exercises 20–27, 30–37, 62, 64, *SE*, pp. 557–559

____ Alternate Assignment _____

____ Skills Practice, Exercises 1–12, *CRM*, p. 599

Assess

____ Open-Ended Assessment, *TWE*, p. 559

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Day 2: Equations and Inequalities with e and \ln

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/Resources Needed: _____

Objective

____ Solve exponential equations and inequalities using natural logarithms.

____ State/Local Objectives: _____

Focus

____ Review of homework using *Answer Key Transparencies*, Lesson 10-5

____ Maintain Your Skills, Exercises 66–74, *SE*, p. 559

Teach

____ Examples 5–7, *SE*, pp. 555–556

____ In-Class Examples 5–7, *TWE*, pp. 555–556

____ *Interactive Chalkboard*, *CD-ROM*, Lesson 10-5

____ algebra2.com/extra_examples

____ Check for Understanding, Exercises 2, 3, 12–19, *SE*, p. 557

____ Daily Intervention, *TWE*, pp. 556, 557

Practice/Apply

Homework Assignments

____ Practice and Apply, Exercises 28, 29, 38–51, 54–61, 63, 65, *SE*, pp. 557–559
Practice Quiz 2, Exercises 1–5, *SE*, p. 559

____ Alternate Assignment _____

____ Skills Practice, Exercises 13–26, *CRM*, p. 599

Assess

____ Practice Quiz 2, *SE*, p. 559

____ algebra2.com/self_check_quiz

Base e and Natural Logarithms (pp. 554–559)**Day 3: Review**

Teacher's Name _____ Dates _____

Grade _____ Class _____ M Tu W Th F

Materials/Resources Needed: _____

Objectives

____ Evaluate expressions involving the natural base and natural logarithms.

____ Solve exponential equations and inequalities using natural logarithms.

____ State/Local Objectives: _____

Focus____ Review of homework using *Answer Key Transparencies*, Lesson 10-5____ Maintain Your Skills, Exercises 75–80, *SE*, p. 559**Teach**____ Reading to Learn Mathematics, *CRM*, p. 601____ Study Guide and Intervention, Examples, *CRM*, pp. 597–598**Practice/Apply****Homework Assignments**____ Study Guide and Intervention, All Exercises, *CRM*, pp. 597–598

____ Alternate Assignment _____

____ Practice, *CRM*, p. 600____ Extra Practice, *SE*, p. 850**Assess**____ Assessment, Quiz, *CRM*, p. 624

____ algebra2.com/self_check_quiz