

**Linear Programming** (pp. 129–135)**Day 1: Maximum and Minimum Values**

Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ M Tu W Th F

Materials/Resources Needed: \_\_\_\_\_

**Objective**

\_\_\_\_ Find the maximum and minimum values of a function over a region.

\_\_\_\_ State/Local Objectives: \_\_\_\_\_

**Focus**

\_\_\_\_ Collection of homework

\_\_\_\_ *5-Minute Check Transparencies*, Lesson 3-4\_\_\_\_ Building on Prior Knowledge, *TWE*, p. 129**Teach**\_\_\_\_ Examples 1, 2, *SE*, pp. 129–130\_\_\_\_ In-Class Examples 1, 2, *TWE*, p. 130\_\_\_\_ *Interactive Chalkboard*, *CD-ROM*, Lesson 3-4

\_\_\_\_ algebra2.com/extra\_examples

\_\_\_\_ Check for Understanding, Exercises 1–8, *SE*, p. 132\_\_\_\_ Daily Intervention, *TWE*, p. 131**Practice/Apply****Homework Assignments**\_\_\_\_ Practice and Apply, Exercises 15–26, 30, 44, 45, *SE*, pp. 132–134

\_\_\_\_ Alternate Assignment \_\_\_\_\_

\_\_\_\_ Skills Practice, Exercises 1–6, *CRM*, p. 139

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## Day 2: Real-World Problems

Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ M Tu W Th F

Materials/Resources Needed: \_\_\_\_\_

### Objective

\_\_\_\_ Solve real-world problems using linear programming.

\_\_\_\_ State/Local Objectives: \_\_\_\_\_

### Focus

\_\_\_\_ Review of homework using *Answer Key Transparencies*, Lesson 3-4

\_\_\_\_ Maintain Your Skills, Exercises 46–56, *SE*, p. 135

### Teach

\_\_\_\_ Example 3, *SE*, p. 131

\_\_\_\_ In-Class Example 3, *TWE*, p. 131

\_\_\_\_ *Interactive Chalkboard*, *CD-ROM*, Lesson 3-4

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\_\_\_\_ Check for Understanding, Exercises 9–14, *SE*, p. 132

### Practice/Apply

#### Homework Assignments

\_\_\_\_ Practice and Apply, Exercises 31–36, 38–41, 43, *SE*, pp. 133–134  
 Practice Quiz 2, Exercises 1–5, *SE*, p. 135

\_\_\_\_ Alternate Assignment \_\_\_\_\_

\_\_\_\_ Skills Practice, Exercise 7, *CRM*, p. 139

\_\_\_\_ *Real-World Transparencies and Masters*, p. 3

### Assess

\_\_\_\_ Practice Quiz 2, *SE*, p. 135

\_\_\_\_ Open-Ended Assessment, *TWE*, p. 135

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## Day 3: Review

3-4

Teacher's Name \_\_\_\_\_ Dates \_\_\_\_\_

Grade \_\_\_\_\_ Class \_\_\_\_\_ M Tu W Th F

Materials/Resources Needed: \_\_\_\_\_

### Objectives

\_\_\_ Find the maximum and minimum values of a function over a region.

\_\_\_ Solve real-world problems using linear programming.

\_\_\_ State/Local Objectives: \_\_\_\_\_

### Focus

\_\_\_ Review of homework using *Answer Key Transparencies*, Lesson 3-4

\_\_\_ Maintain Your Skills, Exercises 57–62, *SE*, p. 135

### Teach

\_\_\_ Reading to Learn Mathematics, *CRM*, p. 141

\_\_\_ Study Guide and Intervention, Examples, *CRM*, pp. 137–138

### Practice/Apply

#### Homework Assignments

\_\_\_ Study Guide and Intervention, All Exercises, *CRM*, pp. 137–138

\_\_\_ Alternate Assignment \_\_\_\_\_

\_\_\_ Practice, *CRM*, p. 140

\_\_\_ Extra Practice, *SE*, p. 833

### Assess

\_\_\_ Assessment, Quiz, *CRM*, p. 164

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