

# The Quadratic Formula and the Discriminant (pp. 313–319)

## Day 1: Quadratic Formula

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

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

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

### Objective

\_\_\_\_\_ Solve quadratic equations by using the Quadratic Formula.

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

### Focus

\_\_\_\_\_ Collection of homework

\_\_\_\_\_ *5-Minute Check Transparencies*, Lesson 6-5

\_\_\_\_\_ Building on Prior Knowledge, *TWE*, p. 313

### Teach

\_\_\_\_\_ Examples 1–4, *SE*, pp. 314–316

\_\_\_\_\_ In-Class Examples 1–4, *TWE*, pp. 314–315

\_\_\_\_\_ *Interactive Chalkboard*, *CD-ROM*, Lesson 6-5

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

\_\_\_\_\_ Check for Understanding, Exercises 8–11, *SE*, p. 318

### Practice/Apply

#### Homework Assignments

\_\_\_\_\_ Practice and Apply, Exercises 28–44, 46, 47, *SE*, pp. 318–319

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

\_\_\_\_\_ Skills Practice, Exercises 13–25, *CRM*, p. 339

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## Day 2: Roots and the Discriminant

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

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

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

### Objective

\_\_\_ Use the discriminant to determine the number and type of roots of a quadratic equation.

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

### Focus

\_\_\_ Review of homework using *Answer Key Transparencies*, Lesson 6-5

\_\_\_ Maintain Your Skills, Exercises 49–60, *SE*, p. 319

### Teach

\_\_\_ Example 5, *SE*, pp. 316–317

\_\_\_ In-Class Example 5, *TWE*, p. 316

\_\_\_ *Interactive Chalkboard*, *CD-ROM*, Lesson 6-5

\_\_\_ [algebra2.com/extra\\_examples](http://algebra2.com/extra_examples)

\_\_\_ Check for Understanding, Exercises 1–7, 12, 13, *SE*, pp. 317–318

\_\_\_ Daily Intervention, *TWE*, p. 316

### Practice/Apply

#### Homework Assignments

\_\_\_ Practice and Apply, Exercises 14–25, 45, 48, *SE*, pp. 318–319

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

\_\_\_ Skills Practice, Exercises 1–12, *CRM*, p. 339

### Assess

\_\_\_ Open-Ended Assessment, *TWE*, p. 319

\_\_\_ [algebra2.com/self\\_check\\_quiz](http://algebra2.com/self_check_quiz)

# The Quadratic Formula and the Discriminant (pp. 313–319)

## Day 3: Review

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

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

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

### Objectives

- \_\_\_\_\_ Solve quadratic equations by using the Quadratic Formula.
- \_\_\_\_\_ Use the discriminant to determine the number and type of roots of a quadratic equation.
- \_\_\_\_\_ State/Local Objectives: \_\_\_\_\_

### Focus

- \_\_\_\_\_ Review of homework using *Answer Key Transparencies*, Lesson 6-5
- \_\_\_\_\_ Maintain Your Skills, Exercises 61–66, *SE*, p. 319

### Teach

- \_\_\_\_\_ Reading to Learn Mathematics, *CRM*, p. 341
- \_\_\_\_\_ Study Guide and Intervention, Examples, *CRM*, pp. 337–338

### Practice/Apply

#### Homework Assignments

- \_\_\_\_\_ Study Guide and Intervention, All Exercises, *CRM*, pp. 337–338
- \_\_\_\_\_ Alternate Assignment \_\_\_\_\_

- \_\_\_\_\_ Practice, *CRM*, p. 340
- \_\_\_\_\_ Extra Practice, *SE*, p. 841

### Assess

- \_\_\_\_\_ [algebra2.com/self\\_check\\_quiz](http://algebra2.com/self_check_quiz)