<table>
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<th>LESSON PLANS</th>
<th>WEEK OF: January 13, 2020</th>
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<tr>
<td><strong>Period</strong></td>
<td>Third</td>
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<tr>
<td><strong>Subject</strong></td>
<td>Algebra I</td>
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<td><strong>Grade(s)</strong></td>
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### Monday
- **Objective**: Review of Lessons 7 & 8
- **Activity**: Draw quadrilaterals satisfying various conditions - Know the properties of the seven special types of quadrilaterals - Write proofs using properties of triangles and quadrilaterals.
- **Assign**: Worksheets 7, 8 p. 336-338 (2-24)
- **Objectives**: Lesson 6-4 Types of Quadrilaterals - Chapter 3 Quiz(sec. 1-3) - Lesson 5-9 Linear Programming - Recognize properties of systems of inequalities - Solve problems using linear

### Tuesday
- **Objective**: Chapter 5 Quiz(Sec. 5-8)
- **Activity**: Apply theorems about quadrilaterals to find angle measures and segment lengths - Know the properties of the seven special types of quadrilaterals - Write proofs using properties of triangles and quadrilaterals - Evaluate the inverse sine function - Solve equations of the form sin x=k - State and use properties of the inverse sine function - Review concepts from Chapter 5
- **Assign**: Quiz sec. 5-8 p. 343-344 (2-16) p. 312-313 (2-20)
- **Objectives**: Lesson 6-5 Properties of Kites - Chapter 5 Review - Review Worksheets

### Wednesday
- **Objective**: Lesson 5-9 Proportions
- **Activity**: - Solve proportions - Use the language of proportions and the Means-Extremes Property
- **Objectives**: Lesson 5-6 Properties of Trapezoids - Lesson 5-5 Law of Sines - Chapter 5 Test

### Thursday
- **Objective**: Lesson 5-10 Similar Figures
- **Activity**: - Solve problems involving proportions in real situations - Find lengths and ratios of similarity in similar figures
- **Assign**: p. 311-314 (2-24) Review Worksheets
- **Objectives**: Chapter 6 Worksheets 4-6 - Lesson 6-6 Inverse Tangent Function - Lesson 6-1 Quadratic Expressions, Rectangles, and Squares - Expand products and squares of binomials - Use quadratic equations to solve area

### Friday
- **Objective**: Chapter 5 Review
- **Activity**: - Review Chapter concepts
- **Assign**: Review Worksheets Quiz(sec. 4-6) p. 383-385 (2-30)
- **Objectives**: Lesson 6-2 Absolute Value, Square Roots, and Quadratic Equations - Solve quadratic equations - Solve absolute-value equations - Apply the definition of absolute value and the Absolute Value-Square Root Theorem