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<th>Fourth</th>
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<td>Algebra II</td>
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### WEEK OF: January 20, 2020

#### Monday

**Objective**
- Chapter 5 Review
- Lesson 5-6 Inverse Tangent Function

**Activity**
- Review Chapter concepts
- Review Worksheets

**Assignment**
- Quiz over sections 4 through 6
- Evaluate the inverse tangent function
- State and use properties of the inverse tangent function
- Solve quadratic equations
- Apply the definition of absolute value and the Absolute Value-Square Root Theorem

**WEEK SS#**

1. Chapter 5 Review
2. Lesson 5-6 Inverse Tangent Function
3. Review Worksheets
4. Quiz over sections 4 through 6

**Objective**
- Lesson 5-6 Inverse Tangent Function
- Review of Lesson 4 through 6

**Activity**
- Review concepts from Lessons 4 through 6

**Assignment**
- p. 322-324 (2-22)
- p. 383-385 (2-30)

#### Tuesday

**Objective**
- Chapter 5 Test
- Lesson 6-7 Rotation Symmetry
- Lesson 5 Quiz over Lessons 4-6

**Activity**
- Describe and rotation symmetry of figures
- Review of Lesson 4 through 6
- Use the Graph Translation Theorem

**Assignment**
- p. 353-355 (2-20)
- Worksheets
- p. 390-392 (2-24)

**WEEK SS#**

1. Chapter 5 Test
2. Lesson 6-7 Rotation Symmetry
3. Lesson 6 Quiz over Lessons 4-6

**Objective**
- Lesson 6-7 Rotation Symmetry
- Lesson 5-8 Parametrics Equations for Circles and Ellipses

**Activity**
- Describe the reflections and rotation symmetry of figures
- Review of concepts from Lessons 4 through 6
- Use the definition and properties of slope
- Calculate rates of change from real data and describe their real-world meanings
- Graph a line given its equation or given a root and its slope

**Assignment**
- p. 330-332 (2-18)
- p. 361-362 (2-26)
- Quiz 4-6
- p. 398-400 (2-24)

#### Wednesday

**Objective**
- Lesson 6-1 Rate of Change
- Lesson 6-8 Regular Polygons
- Lesson 5-7 General Solutions to Trigonometric Equations

**Activity**
- Calculate rate of change from real data and describe their real-world meanings
- Use the definition and properties of slope
- Draw polygons satisfying various conditions
- Apply theorems about isosceles triangles and quadrilaterals to find angle measures and segment lengths
- Know the properties of various types of triangles and regular polygons
- Convert quadratic equations from vertex to standard form
- Use the Graph-Translation Theorem to interpret equations and graphs
- Use quadratic equations to solve problems dealing with distance, velocity, and acceleration

**Assignment**
- p. 337-340 (2-24)
- p. 365-367 (2-28)
- p. 329-330 (2-22)

**WEEK SS#**

1. Lesson 6-1 Rate of Change
2. Lesson 6-8 Regular Polygons
3. Lesson 5-7 General Solutions to Trigonometric Equations

**Objective**
- Lesson 6-2 The Slope of a Line
- Lesson 6-9 Frieze Patterns

**Activity**
- Find the slope of the line through two given points
- Identify the symmetries of a frieze pattern
- Review of Lesson 3-4

**Assignment**
- p. 337-340 (2-24)
- p. 365-367 (2-28)
- p. 329-330 (2-22)

**WEEK SS#**

1. Lesson 6-2 The Slope of a Line
2. Lesson 6-9 Frieze Patterns
3. Lesson 5-7 General Solutions to Trigonometric Equations

**Objective**
- Lesson 6-3 Properties of Slope
- Chapter 6 Review

**Activity**
- Use the definition and properties of slope
- Calculate rates of change from the data and their real-world meanings
- Graph a line given its equation or given a root and its slope
- Review chapter concepts
- -Graph parametric equations of circles and ellipses

**Assignment**
- p. 344-347 (2-26)
- Chapter Review Worksheets
- p. 334-335 (2-20)

**Objective**
- Lesson 6-3 Properties of Slope
- Chapter 6 Review

**Activity**
- Use the definition and properties of slope
- Calculate rates of change from the data and their real-world meanings
- Graph a line given its equation or given a root and its slope
- Review chapter concepts
- -Graph parametric equations of circles and ellipses

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- p. 334-335 (2-20)

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- Lesson 6-3 Properties of Slope
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