

Ms. Gentry's ~ Lesson plans Week of: January 28th

	ALGEBRA I	GEOMETRY	ALGEBRA II	INTEGRATED MATH
M O N D A Y	<p>Solve compound inequalities. Write and graph compound inequalities. Translate verbal phrases into inequalities, solve and graph. Work samples together. Assign p. 384: 4-18 evens</p> <p>A.REI.3</p>	<p>Use the Chromebooks to perform dilations/fractals p. 400 fractals – look at examples on websites Create a fractal project Perform similarity transformations. Dilate figures using coordinate rules. Identify scale factors of dilations and classify as enlargement or reduction. G.CO.2 Represent transformations in the plane using geometry software.</p>	<p>Chromebook activity Graph general rational expressions. Use Geogebra to graph more complex rational functions. Identify asymptotes and end behavior. Finish page 313: 3-33 every 3rd F.IF.7d+ Graph rational functions, identifying zeros and asymptotes when suitable factorizations are available and showing end behavior.</p>	<p>Find the sums of finite and some infinite Geometric series Identify when an infinite series has a sum by its ratio. Page 255: 5-8, 12-21</p>
	Writing is incorporated in	daily explanations & justifications	of math problems	
T U E S D A Y	<p>Continue with Compound inequalities. Use in application problems : 384: 22-30 evens, 37-42</p> <p>A.REI.3</p> <p>Focus Groups – School academy schedule 9</p>	<p>Dilations – use coordinate rules and perform dilations by hand. Identify enlargements and reductions and write scale factors. In class activity page.</p> <p>Focus Groups – School academy schedule 9</p>	<p>Chromebook activity Graph general rational expressions. Use Geogebra to graph more complex rational functions. Identify asymptotes and end behavior. Assign p. 322: 3-10, 13-18</p> <p>F.IF.7d+ Graph rational functions, identifying zeros and asymptotes when suitable factorizations are available and showing end behavior.</p> <p>Focus Groups – School academy schedule 9</p>	<p>Read review page 262- writing explicit and recursive rules, finding sum of series and writing sigma notation</p> <p>Complete review problems chapter 4 p.260 :7-14, 16-21, 27,28</p> <p>Focus Groups – School academy schedule 9</p>
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W E D N E S D A Y	<p>Solve absolute value equations. Recognize when no solution is possible. Find minimum and maximum values using absolute deviation. Assign p 392: 4-36 evens, 42-44</p> <p>A.CED.1</p>	<p>Prove triangles are similar by SAS, SSS. Set up proportions involving side lengths to prove triangles similar. Choose appropriate shortcut to prove similarity. Assign p. 392: 5-14, 29, 33-34 G.SRT.4 Prove theorems about triangles</p> <p>Olweus Lesson 1st period</p>	<p>Simplify rational expressions. Multiply and then simplify rational expressions. Work samples together. Assign p. 331 3-33 every 3rd A.APR.7+ Understand that rational expressions form a system analogous to the rational numbers, closed under addition, subtraction, multiplication and division by a nonzero rational expression: add, subtract, multiply and divide rational expressions.</p>	<p>Start Chapter 5 Calculate exponential growth and decay . Look at both discrete and continuous models. Experiment with penny drop and write and exponential equation to model it. Assign page 271: 2-11</p>

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T H U R S D A Y	Graph absolute value functions Graph parent function and compare transformations of the graph to the parent function. Model on the geogebra program. Work examples together and assign. p 397 1-7 F.BF.3	Use proportionality theorems to solve for missing measurements in triangles and parallel lines. Work through sample problems and assign page 400: 3-11, 21,24 G.SRT.4 Prove theorems about triangles	Review simplifying and multiplying expressions. Divide rational expressions and simplify. Apply in real world problems. Assign p 332 34-42 evens,48,49 A.APR.7+ Understand that rational expressions form a system analogous to the rational numbers, closed under addition, subtraction, multiplication and division by a nonzero rational expression: add, subtract, multiply and divide rational expressions.	Review negative exponent properties – start with review problems in the toolbox 14: page 636 (1-8) on page 274: 29-31 Relate this type of negative exponent to exponential models. Work samples together in class and assign problems on page 277 2-7 and work 8-11 in teams and present findings.
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F R I D A Y	Review Page over material covered in chapter 6 so far	Review of chapter 6 for quiz. Similar figures, proportions, triangle similarity shortcuts, proportionality theorems, and dilations. Prepare notecards and work through practice problems G.CO.2 Represent transformations in the plane using geometry software.	Add and subtract rational expressions. Find common denominator for unlike denominators. Assign p. 340: 3-24 every 3 rd A.APR.7+ Understand that rational expressions form a system analogous to the rational numbers, closed under addition, subtraction, multiplication and division by a nonzero rational expression: add, subtract, multiply and divide rational expressions.	Continue to review negative exponent properties – start with review problems in the toolbox 14: page 636 (1-8) on page 274: 29-31 Relate this type of negative exponent to exponential models. Work samples together in class and assign problems on page 277 2-7 and work 8-11 in teams and present findings.