Ms. Gentry's ~ Lesson plans Week of: February 11th

	ALGEBRA I	GEOMETRY	ALGEBRA II	INTEGRATED MATH
MONDAY	Finish review of chapter 6: Solve one-step, multi-step, compound, and absolute value inequalities. Graph absolute value and linear inequalities. Assign p. 419: 1-16 A.REI.3 A.CED.1 A.REI.12	Use the converse of the Pythagorean theorem to determine if a triangle is a right triangle. Classify triangles using the converse as an inequality. Assign page 444: 3-31 every 3rd, 35,36 G.SRT.8 use Pythagorean theorem to solve right triangles in applied problems.	Solve rational equations Use cross products to solve equations. Check for extraneous solutions by substituting back into original equation. A.REI.2 Solve simple rational and radical equations in one variable and give examples showing how extraneous solutions may arise. p 349 4-22 evens	Fractional exponents 5-3 Review roots and powers when you have fractional exponents Interchange writing in radical form and rational exponent form. Work practice problems together and assign page: 285:2-9, 23-27
	Writing is incorporated in	**daily explanations &justifications**	**of math problems**	
TUESDAY	Assessment: chapter 6 Solve one-step, multi-step, compound, and absolute value inequalities. Graph absolute value and linear inequalities	Special right triangles Discover shortcuts in the 2 special right triangles by cutting a square and equilateral triangle. Use Pythagorean theorem to solve for side lengths and apply shortcuts. Work practice problems and assign page 461: 3-20,27,28	Describe and compare functions characteristics. F.IF.9 Compare properties of two functions each represented in a different way (algebraically, graphically, numerically in tables , or by verbal descriptions) p 361 3-8, 10-12, 15-24, 26, 29	5-4 The next best thing to pi – the number 'e' Calculate interest at increasing increments and compare results. Use base e to calculate continuously compounding interest. Analyze logistic growth functions. Work examples together and assign P 291: 2-15
	ALGEBRA I	GEOMETRY	ALGEBRA II	INTEGRATED MATH
WEDNESDAY	Finish test for those absent Cumulative review	Trigonometry introduction! Soh-Cah-Toa! Use the tangent ratio to solve for missing side lengths. View through clinometer to understand how trig can be used in applications. Learn how to use calculator to perform trig operations. Assign p 469 4-17,18-28 evens, 31,32 G.SRT.8 Use trigonometric ratios and the Pythagorean theorem to solve right triangles in applied problems. Zoo Day Pictures	Start review of chapter 5: Model inverse and joint variation, graph simple and more complex rational equations. Work review problems together and assign page 367: 6-18 A.APR.7+ A.REI.2	Inverse functions 5-5 Write inverse functions and analyze graphs of inverse functions. Realize they are reflections over y=x and some will require limits in order to be functions. Use coordinate rules for reflections over y=x. P 299: 9-18,22 Zoo Day Pictures

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	ALGEBRA I	GEOMETRY	ALGEBRA II	INTEGRATED MATH
THURSDAY	**Look over tests. Solve systems of linear equations by substitution. Check solutions. Identify solutions to linear systems. Apply in real world problems. Practice together and assign page 439: 3-10, 18-23, 31,32 A.REI.6**	**Apply the sine and cosine ratios to solve for missing side lengths. Examine table of trig values to better understand and compare trig values. Choose appropriate trig function to solve right triangles. Assign page 477: 5-7, 10-21, 33-37 G.SRT.8**	**Finish review of chapter 5: Model inverse and joint variation, graph simple and more complex rational equations.**	**Quiz over 1st half of chapter 5**
	ALGEBRA I	**GEOMETRY**	**ALGEBRA II**	**INTEGRATED MATH**
FRIDAY	**Solve linear systems by elimination. Add or subtract equations to eliminate variable and find solution. Practice problems together and assign page 447: 3-18, 23-27, 39,40 A.REI.6**	**Review page of tangent sine and cosine ratios and special right triangle relationships, complete during class**	TEST Chapter 5	**Logarithms- relate the richter scale to log functions. Use calculators to evaluate natural and common logs. Rewrite logarithmic form into exponential form and vice versa. Work samples together and assign page 305: 4-30 evens**