

Ms. Gentry's ~ Lesson plans Week of: February 18th

	ALGEBRA I	GEOMETRY	ALGEBRA II	INTEGRATED MATH
M O N D A Y	Graph systems of linear equations and use the intersect feature on the calculators to find solutions. Solve basic and then application problems with the use of the TI-84. Set some up together and then work with a partner to complete the problems. P 430: 12-21 every 3 rd , 31-35. 30 extra credit	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	Start review of chapter 5: Model inverse and joint variation, graph simple and more complex rational equations. Work review problems together and assign practice test A.APR.7+ A.REI.2	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
	Writing is incorporated in	daily explanations & justifications	of math problems	
T U E S D A Y	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	Use inverse trig ratios to solve for angle measures in right triangles. Use calculators to calculate inverse function values. Combine with trig ratios and Pythagorean theorem to solve right triangles. Attend to precision by choosing the best method. Assign P 485: 3-15,21-28, 34-38 G.SRT.8 Use trigonometric ratios and the Pythagorean theorem to solve right triangles in applied problems.	Finish review of chapter 5: Model inverse and joint variation, graph simple and more complex rational equations. A.APR.7+ A.REI.2 Start the test if students will be gone Wednesday/Thursday.	Montana Youth Risk Survey
	ALGEBRA I	GEOMETRY	ALGEBRA II	INTEGRATED MATH
W E D N E S D A Y	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	ASSESSMENT CHAPTER 5 Variations, graphing of simple and more complex rational equations. Identifying asymptotes, domain, range and x-intercepts	Use properties of logarithms to expand and condense logarithms. Use the change of base formula to evaluate logarithms.

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T H U R S D A Y	Solve systems of linear equations by multiplying and eliminating. Summarize methods of solving systems of equations and choose a method to solve a system of linear equations. Assign p455 4-26 evens, 37,38 A.REI.5	Cooperative learning activity: Solve application problems in groups using trigonometry and the Pythagorean theorem. Present results and methods to the class. Practice standards: make sense of problems and persevere in solving them, use appropriate tools strategically.	Finish Assessment for those gone ACT practice/math placement test practice	Solve equations involving logarithms. Choose correct method to solve equations involving logarithms. Rewrite in exponential form, take log of both sides, use properties of logs and factor. P 320: 2-7, 11-16
	ALGEBRA I	GEOMETRY	ALGEBRA II	INTEGRATED MATH
F R I D A Y	Solve special types of linear systems. Identify when and why some linear systems have no solutions or infinite solutions. Model on geogebra program. Assign page 462: 5-10, 16-30 evens A.REI.6	Cooperative learning activity: Solve application problems in groups using trigonometry and the Pythagorean theorem. Present results and methods to the class. Practice standards: make sense of problems and persevere in solving them, use appropriate tools strategically.	Probability Review Fundamental Counting principal Combinations/Permutations Dependent vs. Independent Events and Odds.	Review Chapter 6 Exponential decay and growth functions, inverse functions, compounding interest, depreciation and logarithms P 324 review problems: 4-13