Ms. Gentry's ~ Lesson plans Week of: February 25th

	ALGEBRA I	GEOMETRY	ALGEBRA II	INTEGRATED MATH
MONDAY	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 Band out Mon & Tues	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. Band out Mon & Tues	Fundamental Counting principal Combinations/Permutations Go over TESTS Band out Mon & Tues	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 Start review of chapter 6 Band out Mon & Tues
	Writing is incorporated in	**daily explanations &justifications**	**of math problems**	
TUESDAY	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 4-20 evens, 37,38 A.REI.5	Chapter 7 Review– covering Pythagorean Theorem, Converse of Pythagorean Theorem and Trigonometry. prepare notecards work Practice problems on Page 502: 1-5, 7-12 G.SRT.8 Use trigonometric ratios and the Pythagorean theorem to solve right triangles in applied problems	Use combinations and binomial theorems to calculate numbers of combinations in real world problems. Work sample problems together in class. Work combinations by hand and through use of a calculator Assign p. 382 : 2-16, 48-51 A.APR.5+Know and apply the binomial theorem for the expansion of (x+y)^n for a positive integer n, where x and y are any numbers, with coefficients determined for example by Pascal's triangle.	Review Chapter 6 Exponential decay and growth functions, inverse functions, compounding interest, depreciation and logarithms P 324 review problems: 4-13
	ALGEBRA I	**GEOMETRY**	**ALGEBRA II**	**INTEGRATED MATH**
WEDNESDAY	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 A.REI.6 School Academy -registration	Continue review of chapter 7 – covering Pythagorean Theorem, Converse of Pythagorean Theorem and Trigonometry. G.SRT.8 Use trigonometric ratios and the Pythagorean theorem to solve right triangles in applied problems School Academy -registration	Expand binomials through the use of Pascal's triangle and the binomial theorem. Work examples together and assign p. 383: 20-40 evens A.APR.5+ Know and apply the binomial theorem for the expansion of (x+y)^n for a positive integer n, where x and y are any numbers, with coefficients determined for example by Pascal's triangle. School Academy -registration	Review Chapter 6 Exponential decay and growth functions, inverse functions, compounding interest, depreciation and logarithms Review problems 17-29 School Academy -registration

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	ALGEBRA I	GEOMETRY	ALGEBRA II	INTEGRATED MATH
THURSDAY	**Review of solving systems** **Quiz**	**TEST – Chapter 7 Pythagorean Theorem and Trigonometry**	**Use a simulation to test an assumption. Flip coins and create a simulation using graphing calculators. Create graphs and calculate theoretical probabilities. Pgs. 386-7** **S.IC.2 Decide if a specified model is consistent with results from a given data generating process, e.g. using a simulation**	**TEST Chapter 6**
	ALGEBRA I	**GEOMETRY**	**ALGEBRA II**	**INTEGRATED MATH**
FRIDAY	**Geogebra Graph linear inequalities using the geogebra program –use geogebra to graph linear systems.** **Use tools strategically.** **A.REI.12** **Spanish classes and FFA out**	**Finish Test** **Geogebra activity- graphing quadratic equations and exploring other types of conic section graphs and equations**	**Construct and interpret binomial distributions. Calculate probabilities and make a probability distribution. Identify symmetric and skewed distributions. Look at and work examples in class. Assign p 391: 3, 6-13, 18-21, 28-30, 33,34,43,44** **S.MD.3(+) Develop a probability distribution for a random variable defined for a sample space in which theoretical probabilities can be calculated.**	**Finish Test** **Work on Scholarships/college prep**