Ms. Gentry's ~ Lesson plans Week of: March 4th

	ALGEBRA I	GEOMETRY	ALGEBRA II	INTEGRATED MATH
M O N D A Y	Geogebra Graph linear inequalities using the geogebra program –use geogebra to graph linear systems. Solve systems of linear inequalities. Graph linear inequalities and find the intersection of shaded regions. Assign p 469: 3-15, 24-27 A.REI.12	Go over Test Geogebra activity- graphing quadratic equations and exploring other types of conic section graphs and equations Algebra Review: p 499:7-18 Solve Quadratic equations algebraically and by graphing.	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	Finish Test Work on Scholarships/college prep
	Writing is incorporated in	**daily explanations &justifications**	**of math problems**	
T U E S D A Y	Start review of chapter 7. Solve linear systems by graphing, substitution and elimination. Work practice problems together. Summarize work on Geogebra program. Assign page 476: 8-11, 13-18	Classify polygons and solve for missing angle measures based on patterns and rules in polygon chart activity. Discuss conjectures from activity. Work example problems and Assign p 510 4-24 evens, 28-31 G.MG.1 Use geometric shapes, their measures, and their properties to describe objects.	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.	Statistics review Toolbox 1 and 2- page 626-627 Deceptive things to watch for in statistic displays – watch and read video and articles Distributions of Data Analyze different types of data displays.
	ALGEBRA I	GEOMETRY	ALGEBRA II	INTEGRATED MATH
W E D N E S D A Y	Finish review of chapter 7. Solve linear systems by graphing, substitution and elimination. Work practice problems together. Assign page 476: 8-11, 13-18, ,24-28 School Academy – test taking	Draw parallelograms and discover properties of sides, diagonals and angles. Also discover what properties are true of specific types of parallelograms. Hands on activity. G.CO.11 Prove theorems about parallelograms	Use Normal Distributions Use the mean and standard deviation of a data set to fit it to a normal distribution and to estimate population percentages. Estimate the area under the normal curve. Work examples together in class and assign p. 402: 3-18 evens 31,32 S.ID.4Use the mean and standard deviation of a data set to fit it to a normal distribution and to estimate population percentages. Recognize there are data sets for which such a procedure is not appropriate.	Distributions of Data Analyze different types of data displays. Examine and create frequency distributions. Classify distributions by shape. Assign page 335: 1, 4-8, 14-17

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	ALGEBRA I	GEOMETRY	ALGEBRA II	INTEGRATED MATH
T H U R S D A Y	TEST Ch 7	Discuss results of drawing parallelograms and what properties of sides, diagonals and angles were discovered. Compare and contrast properties for specific types of parallelograms. Use properties to solve for missing angle and side measures. Assign p 518: 4-40 evens G.CO.11 Prove theorems about parallelograms	Work with the standard normal distribution and calculate z scores. Apply to real world problems. Work examples and assign 402: 19-27, 33-35 S.ID.4Use the mean and standard deviation of a data set to fit it to a normal distribution and to estimate population percentages. Recognize there are data sets for which such a procedure is not appropriate.	Standard Deviation- define and understand what it is. Use the TI-84 to find standard deviation and other measures of central tendency. Input lists, use stat tools and interpret notation meanings. Assign p 341: 1,2,5, 12,13

	ALGEBRA I	GEOMETRY	ALGEBRA II	INTEGRATED MATH
F R I D A Y	TEST Ch 7	Use properties of quadrilaterals to find angle measures and sides lengths. Draw and discover properties of parallelograms – compare and contrast a rhombus, rectangle and square. Identify types of quadrilaterals based on properties. Assign p. 537: 4-30 evens G.CO.11 Prove theorems about parallelograms	Use graphing calculators to find the area under a normal curve. Activity on page 405. S.ID.4 Use the mean and standard deviation of a data set to fit it to a normal distribution and to estimate population percentages. Recognize there are data sets for which such a procedure is not appropriate.	The normal distribution- study the normal curve and make an example and compute percentages between varying numbers of standard deviations. Discuss uses of the normal distribution. In class work. Monday work on problems on page 347: 2-9, 14-16