Ms. Gentry's ~ Lesson Plans Week of: January 29th

	PRE-ALGEBRA 6TH	GEOMETRY 1ST, 2ND, 3RD, 7th	ALGEBRA II 4th
MONDAY	Review how to divide fractions Divide fractions by multiplying by the reciprocal. Identify and write multiplicative inverses of numbers. Evaluate expressions using fractions and division. Assign. P 292: 20-34, 42-44, 48	Prove triangles are similar by AA. Hands on construction to prove AA. Use AA and indirect measurement to solve real life application problems. G.SRT.3 Use the properties of similarity to establish the AA criterion for two triangles to be similar. Assign p. 384: 3-17, 31-34	Apply properties of logarithms. Use the product, quotient and power properties. Use change of base formula to evaluate logs. Assign page 262: 34-50, 69,70 F.IF.7 Graph exponential and log functions ACT practice for those who finish
TUESDAY	Quiz over multiplying and dividing fractions and over writing fractions as decimals.	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	Review problems on logarithms. Evaluate, expand and condense. Page 265: 1-4, 8-20 or handout quiz
WEDNESDAY	Multiply and divide decimals. Review properties of multiplication and apply to decimals. Do some paper/pencil and use calculators but estimate answer first. Apply in real problems. Assign p. 298 18-43,51-53	Use proportionality theorems to solve for missing segment lengths. P. 400: 3-11, 21,24	Solve Exponential and Logarithmic equations. Use the property of equality for exponential functions and for logarithmic functions to solve equations. Exponentiate both sides of equations to solve and check for extraneous solutions. Assign. P 271: 2-30 evens F.LE.4
THURSDAY	Statistics: review terminology. Collect data, calculate measures of central tendency and graph in appropriate data display. Compare and contrast mean, median and mode appropriate use of each. In class project.	Career fair – Juniors and Sophomores out 1st – 6th Geogebra for students who are here	Career fair – Juniors and Sophomores out 1st – 6th
FRIDAY	Finish Statistics project. Collect data, calculate measures of central tendency and graph in appropriate data display. Compare and contrast mean, median and mode appropriate use of each. In class project.	Perform dilations! Write coordinated and calculate scale factors for enlargements and reductions in order to create similar figures. Perform dilations with construction tools and work practice problems. Handout or book problems p 412	Solve Exponential and Logarithmic equations. Use the property of equality for exponential functions and for logarithmic functions to solve equations. Exponentiate both sides of equations to solve and check for extraneous solutions. Assign. P 271: 32- 44 evens 54, ex cr #56 F.LE.4