Ms. Gentry's ~ Lesson Plans Week of: April 15th

	PRE-ALGEBRA 6TH	GEOMETRY 1ST , 2ND, 3RD , 7th	ALGEBRA II 4th
M O N D A Y	Go over test and start Unit 9 Rates/Ratios/unit rates Express ratios/rates as fractions in simplest form. Express ratios as unit rates and apply in grocery/economic situations. Assign p 435 15-32, 35, 38, 39	Geogebra transformations – Discover coordinate rules for reflections over the x and y axis and over y=x and y=-x. Discover rules for rotations about the origin for 90, 180 and 270 degrees.	**ACT PRACTICE** Finish work on:Graph sequences and write series using summation notation. Find the sum of a finite series. Assign practice problems after working a variety of example in class. P. 438 3-27 every 3rd.38-50 evens, 63,65 F.IF.3 Recognize that sequences are functions, sometimes defined recursively, whose domain is a subset of the integers
T U E S D A Y	Simple probability – hands on activity finding probabilities and setting up ratios. Find total number of outcomes and compare theoretical and experimental probability.	Apply coordinate rules for reflections- reflect figures by paper/pencil method. Use matrices to reflect also. Work examples together in class and assign practice problems. 9.3 G.CO.5 Given a geometric figure and a rotation, reflection, or translation, draw the transformed figure using graph paper, tracing paper or geometric software. Specify a sequence of transformations that will carry a given figure onto another.	Analyze arithmetic sequences and series. Use and write rules for the nth term of an arithmetic sequence. Find the sum of finite arithmetic series. Assign practice problems on page 446: 5-10,12-26 evens after working a variety of sample problems together. after working a variety of sample problems together. F.BF.2 Write arithmetic and geometric sequences both recursively and with an explicit formula, use them to model situations, and translate between two forms.
W E D N E S D A Y	Simple probability Find different probabilities for dice, marble and other applications. Make a sample space of sums when 2 dice are rolled. Assign P 442: 16-31	**Juniors ACT testing** Apply coordinate rules for rotations and reflections to rotate figures by paper/pencil method. Use matrices to rotate and reflect also. Work examples together in class and assign practice problems. p 602: 6-8, 12-20 evens G.CO.5 Given a geometric figure and a rotation, reflection, or translation, draw the transformed figure using graph paper, tracing paper or geometric software. Specify a sequence of transformations that will carry a given figure onto another.	**Juniors ACT testing** **Sophomores take Math MAPS test**
T H U R S D A Y	Proportions – set up and solve proportions to solve a variety of problems. Use cross product property to solve. Apply in real world problems. Assign p. 446 15-42, 44,45	Perform and identify dilations. Use coordinate rules and scalar multiplication to dilate figures. Find scale factors when given a dilation. Work practice problems together. P 629: 16,18,20 G-SRT-1 Verify experimentally the properties of dilations given by a center and a scale factor.	Analyze arithmetic sequences and series. Use and write rules for the nth term of an arithmetic sequence. Find the sum of finite arithmetic series. Assign practice problems on page 446: 30-50evens,63,64 after working a variety of sample problems together. F.BF.2 Write arithmetic and geometric sequences both recursively and with an explicit formula, use them to model situations, and translate between two forms.
F R I D A Y	Write and solve proportions to represent direct variation application problems. Use labels to guide correct set up. Enrichment page 9-4 and problem bank.	Start matrix animation project- use matrices to perform a variety of transformations on a given object to model the animation process. Write polygon matrix for the chosen skeleton of figure and perform rotations, reflections and translations.	Analyze geometric sequences and series. Use and write rules for the nth term of a geometric sequence. Find the sum of finite geometric series. Use to solve practical application problems. Work examples together and assign problems on page 454: 3-36 every 3rd