Unit 2: Analytic Geometry

G2/G3:Solve problems using analytic geometry involving properties of lines and line segments; verify geometric properties of triangles and quadrilaterals.

#	Topic	FBUHL
2.1	Midpoint & Review of $y = mx + b$	Basic: Pg 66 #1a,2ad,6 Regular: Pg 55 #5c,6b,8bc & Pg 66 #3c,4b,12,13a Challenge: Pg 67 #15,16
2.2	Equations of Medians, Altitudes, Right Bisectors	Basic: Pg. 66 #4 & Pg. 100 #4 Regular: Pg. 65 #C3,8,17 & Pg. 90 #18 Challenge: Pg. 68 #23,29
2.3	Work Period: Medians, Altitudes, Right Bisectors	Handouts (2): "2.3 Equations of Medians, Altitudes, and Right Bisectors"
2.4	Length/Pythagorean Theorem Development	Basic: Pg. 77 #C3,2bd,3bc,8 Regular: Pg. 77 #5,10,12 Challenge: Pg. 79 #20
2.5	Problems: slope, length, midpoint	Basic: Pg. 88 #C3,3,8 Regular: Pg. 89 #4,10 Challenge: Pg. 90 #24a, 25
2.6	Equation of a Circle	Basic: Pg. 96 #1de,2bc,6 Regular: Pg. 97 #4d,8,11bcd Challenge: Pg. 98 #15,17
2.7	Investigate Properties of Triangles (GSP and/or by hand)	Basic: Regular: Challenge:
2.8	Verifying Properties of Triangles	Basic: Regular: Challenge:
2.9	Investigate Properties of Quadrilaterals (GSP or by hand)	Basic: Regular: Challenge:
2.10	Verify Properties of Quadrilaterals	Basic: Regular: Challenge:
2.11	Review	CH. 2: p.100#1-18 p.104 #1-14 CH. 3: p.152#1,4-12 p.154 #1-14

Test Date:_____