

## Unit 6: Analytic Geometry

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

#	Topic	Check Your Understanding
6.1	Review of $y = mx + b$	Set 1: pg. 55 #3, 4ab, 5bc, 6b, 7d Set 2: pg. 55 #4ab, 5bc, 6b, 7d, 8ab
6.2	Midpoint of a line	Set 1: pg. 66 #1a, 2ad, 3c, 6, 12, Set 2: pg. 66 #1a, 2ad, 3cd, 6, 12, 13, 29
6.3	Distance between points (median)	Set 1: pg. 77 #2bd, 3b, 5, 6, 10 Set 2: pg. 66 #4a pg. 77 #C3, 2d, 3c, 5, 8, 10, 12, 20
6.4	Equation of Circles	Set 1: pg. 96 #1ac, 2bc, 4d, 7, 8, 11ac Set 2: pg. 96 #1ce, 2bc, 4d, 6, 7, 8, 11bcd, 15
6.5	Verify Properties of Quadrilaterals	Set 1: pg. 143 #9a, 10, 11, 12 Set 2: pg. 143 #9, 10, 11, 12, 14
	Review	pg. 100 #1-18 pg. 104 #1-4a, 5-9abc, 10-15 pg. 152 #1, 6-12 pg. 154 #1-14

**Test Date:** \_\_\_\_\_