

Geometry Course Outline 2008-2009
ALL topics are required unless marked optional with *

1.	Intro/Books Text Overview
2.	Algebra Review (In class)
3.	1.1 Patterns and Inductive Reasoning p.6 1-6, 17,19,20,25,26,46,51 ½ graph paper
4.	1.2 Drawings, Nets & other models (Include p.603 #36) p.13 1,5,8,9,11-13,15,31,36,44,45 dot paper
5.	1.3 Points, Lines & Planes p.19 1-21 odd, 25,30,35,54,80
6.	1.4 Segments, Rays, Parallel Lines and Planes (Include extension pg30) p.25 1-3, 4,7, 12-15, 17-21 odd, 46-49
7.	QUIZ #1-1
8.	1.5 Measuring Segments p.33 1-15 odd, 16-19, 29-32, 34, 39-43
9.	1.6 Measuring Angles p.40 1-13 odd (eye 9&11), 15-32, 43, 51,52
10.	1.7 Basic Constructions (Include p49 #33a) p.47 1-9, 27-29, 33, 37, 38 compass
11.	1.8 Coordinate Plane – Distance p.56 1-17 odd, 48
12.	1.8 Coordinate Plane (cont.) – Midpt p.56 19-41 odd, 45, 64, 65
13.	1.9 Perimeter, Circumference, & Area p.65 1-37 odd, 47-49, 59-62, 71, 72 ½ graph paper
14.	Chapter 1 Review p.71 10-12, 17, 19-22, 27-44

15.	Chapter 1 Test
16.	Conjunctions/Disjunctions (And/Or values) (worksheet/handout?)
17.	2.1 Conditional Statements p.83 2-4, 9-12, 15,19,23,24,27,28,50, 51,54,55,66
18.	2.2 Biconditional Statements p.90 1,2,7,16,22,42,45,51,52
19.	Quiz #2-1
20.	2.3 Deductive Reasoning (Law of Syllogism) p.96 1,2,5,6,10,11, 15-19, 23,32,34,35
21.	2.4 Reasoning in Algebra (properties) p.105 1-3, 5-23 odd, 27,28,38,40, 45-48
22.	2.5 Proving Angles Congruent p.112 1-7, 13,14,20,21,23,24,27
23.	Chapter 2 Review p.117 1-35 all
24.	Chapter 2 Test
25.	Algebra review p.124 1-12 all & worksheet
26.	3.1 Properties of Parallel Lines p.131 1-4, 9-17 odd, 28, 37-40
27.	3.2 Proving Lines Parallel (2 column proof #39 in class) p.137 5,7, 11-21 odd, 27-31 odd, 38 (proof), 41,47,48
28.	3.3 Parallel and Perpendicular Lines p.143 1, 3 (proof), 4-11, 24, 25

29.	3.4 Parallel Lines & Triangle Angle-Sum Theorem p.150 1,4, 11-15 odd, 20,22,23,25,30, 31, 34(proof), 38, 42-44
30.	3.4 Parallel Lines & Triangle Angle-Sum Theorem (cont.) (Worksheet)
31.	Quiz #3-1
32.	3.5 Polygon Angle-Sum Theorems p.161 1,3,5,11,14,16,21,23,24,32,33, 36,40,41,47
33.	3.6 Lines in the Coordinate Plane (Include pg. 165) p.169 1,4,5,13,21,22,26,29,33,34, 66-68
34.	Lab Activity pg. 172
35.	3.7 Slopes of Parallel Lines p.177 1-15 all
36.	3.7 (cont.) Slopes of Perpendicular Lines p.178 16-28 all
37.	3.8 Constructing Parallel & Perpendicular Lines p.184 1,3,6,8,10,12,17,18,19,22,37 p.186 33 compass
38.	Chapter 3 Review p.190 11-18, 22-33, 35-44
39.	Chapter 3 Test
40.	Cumulative Review (Worksheet)
41.	NOTE: From this point on, hi-lighted H.W. problems are proofs. 4.1 Congruent Figures p.200 2-12, 14-23, 29,30,32,34,39
42.	4.2 Triangle Congruence SSS/SAS p.208 6-9, 10-15, 19-22, 26 ,28,29,34, 35, 38 ,44-46

43.	4.3 ASA & AAS p.215 1-4, 10, 11 ,13,14,16, 20,21 ,33,34
44.	4.4 CPCTC p.222 2,3,6,7 , 8-10, 14, 18 , 22-24
45.	Quiz #4-1
46.	4.5 Isosceles and Equilateral Triangles p.230 1-5, 10-13, 15,19,20, 28 ,30, 41-43
47.	4.6 Right Triangles (HL) p.237 3,4,7, 8,13,20 , 27-29
48.	4.7 Using CPCTC p.243 1-6, 17, 22 , 26-28
49.	Proof Practice (Worksheet/Hand-out)
50.	Chapter 4 Review p.249 10-39 all
51.	Chapter 4 Test
52.	5.1 Mid-segments of triangles p.262 1,4,5, 7-10, 20-26 evens, 31, 40-42 ½ graph paper
53.	5.2 Bisectors in Triangles p.267 1-4, 6, 8-15, 18-25, 40, 42
54.	5.3 Concurrence, Medians and Altitudes p.275 1-7 odds, 11-16, 19-22, 27,28, 32, 37-39
55.	Quiz #5-1
56.	5.4 Inverse/Indirect, Contrapositive Reasoning, Proofs p.283 1-19 odds, 23 , 24-28 evens, 42-44 ½ graph paper
57.	Algebra Review p.288 3-33 by 3's

58.	5.5 Triangle inequalities p.292 1, 5-27 odds, 32,33,41, 42-47
59.	Chapter 5 Review p. 300 1-24 all
60.	Chapter 5 Test
61.	6.1 Classifying Quadrilaterals p.308 7-26, 35-41, 60-64 $\frac{1}{2}$ graph paper
62.	6.2 Properties of Parallelograms p.315 1-19, 21-33, 42, 44, 50, 58-60
63.	6.3 Proving Parallelograms p.324 1-9 odds, 13,14,16,21,29,30
64.	Quiz #6-1
65.	6.4 Special Parallelograms Square, rectangle & rhombus p.332 1-15 odds, 22,23,45,50, 64-66
66.	6.5 Trapezoids and Kites p.338 1-15 odd,18, 21-27 odd, 39, 45-48
67.	Review of Quadratic Functions p.354 & 355 1-20 all
68.	6.6 Placing figures in the coordinate Plane p.344 2-8, 16-26 evens, 30-32
69.	6.7 Coordinate Geometry Proofs p.349 1-4, 6,7,9,11, 12-24, 36,42,43
70.	Chapter 6 Review p.360 1-23 all
71.	Chapter 6 Test
72.	7.1 Ratio & Proportion p.368 3-21 odds, 29, 35-43 odds, 62-66
73.	Quadratic Formula p. 372 1-9 all
74.	7.2 Similar polygons p.375 1-8, 9-19 odds, 21-28, 32,35,42,43

75.	7.3 Proving similar triangles p. 385 1,2, 5-19 odds, 25,27,28,41, 45-47
76.	Quiz #7-1
77.	Review of Simplifying Radicals p.390 1-24 all
78.	7.4 Similarity in Right Triangles p.394 1-21 odds, 27-41 odds, 47,49,55-58
79.	7.5 Proportions in Triangles p.400 1-25 odds, 29,31,44, 48-50
80.	10.4 Perimeter & Area of Similar Figures p.555 2,4,5, 9-21 odds, 40-49
81.	Chapter 7 Review p.410 1-24 all
82.	Chapter 7 Test
83.	8.1 Pythagorean Theorem p.420 1,5,7,10,14,17,18,21,24,27,36, 59-64
84.	8.2 Special Right Triangles (45-45) p.428 1-8, 21, 22
85.	8.2 Special Right Triangles (30-60) (Cont.) p.428 9-20, 23, 25,26, 29-32
86.	Quiz #8-1
87. *	8.3 & 8.4 SOHCAHTOA Sides & Angles p.434 4,7,8,14,17,21,27,59 p.441 4,7,8,10,26,28, 37-40
88. *	8.5 Angles of Elevation and Depression p.447 9-12, 14-17, 28, 31-34
89. *	8.6 Vectors p.455 1,2,5,6,8,11,17,20,23,26, 28,41,53,54

90.	Chapter 8 Review p.464 1-30 all
91.	Chapter 8 Test
92.	9.1 Translations p.473 1-3, 6-8, 11,12,14,16,17,20,22, 23,26,32,35, 37-41 graph paper
93.	9.2 Reflection p.480 1-8, 14,21,28-30,37, 47-52 ½ graph paper
94.	9.3 Rotations p.485 1-4, 6,7,10,12,13,15,18,29, 35-38 protractor?
95.	Quiz #9-1
96. *	9.4 Symmetry p.494 1,2,5,12,14,15,17, 36-40, 42, 51-55 ½ graph paper
97.	9.5 Dilation p.500 5-8, 10,12, 14 (conversion), 19, 25,27,32,36,39, 57-61, 67-71 ½ graph paper
98.	9.6 Composition of Reflection p.509 1-15 odds, 26, 55-57 ½ graph paper
99.	Chapter 9 Review p.526 1-30 all (Omit #21)
100.	Chapter 9 Test
101. *	10.1 Area of Parallelograms and Triangles p.537 1-37 odds ½ graph paper
102. *	10.2 Area of Trapezoid, Rhombus & Kites p.542 1-31 odds (Omit #19) ½ graph paper
103.	Quiz #10-1?

104.	10.7 Areas of Circles & Sectors p.577 1-17 odds, 22-28 evens, 41-43
105.	Chapter 10 Review p.592 1-4, 7,8,19,20,22,23
106.	Chapter 10 Test
107. *	11.1 Space Figures & Cross Sections (Euler's) p.601 1-27 odds
108.	Algebra Review p.607 and worksheet ?
109.	11.2 Surface Area prisms and Cylinders p.611 1,2,5,6,9,12,16,19,22,27, 38-40
110.	11.3 Surface Area Pyramids & Cones p.620 1-13 odds, 17,18,21,23,24,27, 30, 44-47
111.	11.4 Volumes Prisms & Cylinders p.627 1,3,6,8,9,10,12,14,15,17,18,25, 28,35, 41-45
112.	Quiz #11-1
113.	11.5 Volumes Pyramids & Cones p.634 1,3,6,9,13,14,18,21,22,27,40,41
114.	11.6 Surface Area & Volume of Spheres p.640 1-19 odds, 24,29,34,37,40, 55-58
115.	11.7 Area & Volume of Similar Solids p.648 3,4,7,10,11,14,17,18,20, 38-42
116.	Chapter 11 Review p.656 1-22 all (Omit #16,20)
117.	Chapter 11 Test
118.	12.1 Tangent Lines p.665 1-4, 6,8,10,11,12,14,15,22,31, 35-38

119.	10.6 Circles and Arcs p.569 1-8, 15-31 odds, 34-38 evens, 73-75
120.	12.2 Chords & Arcs p.673 4-18 evens, 25,30,32,33, 42-47
121.	12.3 Inscribed Angles p.681 5-23 odds, 39, 46,47,48
122.	Quiz #12-1
123.	12.4 Angle measure & segment Lengths p.691 1-15 odds, 21-27 odds, 38-42
124.	12.5 Circles in coordinate planes p.697 1-45 odds graph paper
125.	Circles/Linear Systems – graphically (Supplement)
126.	12.6 Locus – in class demonstration
127.	12.6 Locus (Cont.) p.703 2-26 evens, 33-39 odds, 51,52 graph paper
128.	Chapter 12 Review p.710 1-28 all p.591 26-31 all
129.	Chapter 12 Test
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167.	Local Exams/Regents Review
168.	
169.	June Regents Exams
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177.	Staff days
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