

Bay City Public Schools
2-Tri Geometry
Trimester 1

Chapter Section	Chapter Title	Suggested Problems	CCSS
Chapter 0-3, 4, 5, 7, 9	0-3 Simple Probability 0-4 Algebraic Expressions 0-5 linear Equations 0-7 Ordered Pairs 0-9 Square Roots and Simplifying Radicals		0-3 S.MD.6 S.MD.7
Chapter 1-1, 2, 3	1-1 Points, lines, & Planes 1-2 linear Measure 1-3 Distance & Midpoints	1.1p8 (13-21, 26-48, 52, 59) 1.2 p18 (10-33, 37, 39) 1.3 p31(13-31, 33-56) 1.1 Lab and exercises page 13 Constructions	G.CO.1, G.MG.1, G.CO.12
Chapter 1-4, 5, 6	1-4 Angle Measure 1-5 Angle Relationships 1-6 2D Figures	1.4 p41(12-42) 1.5 p51(8-42, 49) 1.6 p61(11-32, 34-42, 44)	G.CO.1, G.CO.12, G.GPE.7, G.GMD.3, G.MG.1
Chapter 2-1, 2, 3	2-1 Inductive Reasoning & Conjecture 2-2 logic negations 2-3 Conditional Statements	2.1p96 (31-45) 2.2 p105 (42-48) 2.3 p111(18-33, 35-52)	
Chapter 2-4, 5	2-4 Deductive Reasoning 2-5 Postulates and Paragraph Proofs	2.4 p122 (10-21) 2.5 p130 (1-29, 34-41)	G.MG.3
Chapter 2-6, 7, 8	2-6 Algebraic Proof 2-7 Proving Segment Relationships 2-8 Proving Angle Relationships	2.6 p139 (9-20, 23-26) 2.7 p147 (4), Study guide and practice 2.7 2.8 p156 (6-15) •Additional Proof Practice needed from other sources	G.CO.9, G.CO.12
Chapter 3-1, 2, 3	3-1 Parallel lines and Transversals 3-2 Angles and Parallel lines 3-3 Slopes of lines	3.1p176 (13-43, 46) 3.2 p183 (11-19, 24-30, 38, 39, 45) 3.3 p193 (12-25, 28-49, 52, 54, 55, 57)	G.CO.1, G.CO.12, G.CO.9, G.GPE.5
Chapter 3-4, 5, 6	3-4 Equations of lines 3-5 Proving lines Parallel 3-6 Perpendiculars and Distance	3.4 p202 (13-39, 42-52) 3.5 p211 (8-21, 25-28, 33-35, 38, 41) 3.6 p220 (8-12, 15-29, 31-33)	G.CO.12, G.CO.9, G.GPE.5, G.MG.3
Chapter 4-1, 2, 3	4-1 Classifying Triangles 4-2 Angles of Triangles 4-3 Congruent Triangles	4.1p241(15-26, 30-37, 40-46, 49-52) 4.2 p250 (12-33, 36-40) 4.3 p259 (9-16, 18-20, 28-30, 37)	G.CO.12, G.CO.10, G.CO.7, G.SRT.5
Chapter 4-4, 5, 6	4-4 Proving Triangles Congruent-SSS, SAS 4-5 Proving Triangles Congruent-ASA, AA5 4-6 Isosceles and Equilateral Triangles	4.4 p269 (8-11, 12-19, 24, 27, 28) 4.5 p278 (1-12, 14, 15) 4.6 p289 (9-22, 29-32, 38-44)	G.CO.10, G.SRT.5, G.CO.12, G.CO.6
Chapter 4-7, 8	4-7 Congruence Transformations 4-8 Triangles and Coordinate Proof	4.7 p299 (7-12, 17-20) 4.8 p306 (13-18, 25, 26)	G.CO.10, G.CO.6, G.CO.7, G.GPE.4

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Trimester 2

Chapter Section	Chapter Title	Suggested Problems	CCSS
Chapter 7-1,2,3	7-1 Ratios and Proportions 7-2 Similar Polygons 7-3 Similar Triangles	7.1p464 (10-37) 7.2 p473 (8-16,18-39) 7.3 p483 (9-24, 27,30,31,34,36)	G.MG.3,G.SRT.2, G.SRT.4,G.SRT.S, G.GPE.5
Chapter 7-4,5	7-4 Parallel Lines and Proportional Parts 7-5 Parts of Similar Triangles	7.4 p495 (10-27,33-42) 7.5 p505 (6-17, 20-24)	G.SRT.4,G.SRT.5
Chapter 7-6,7	7-6 Similarity Transformations 7-7 Scale Drawings and Models	7.6 p514 (6-21) 7.7 p520 (1-20)	G.SRT.2,G.SRT.5, G.MG.3
Chapter 8-1,2,3	8-1 Geometric Mean 8-2 Pythagorean Theorem and Its Converse	8.1p541(8-37,48) 8.2 p552 (9-34,38-48) 8.3 p562 (8-43)	G.SRT.4,G.SRT.5, G.SRT.8,G.MG.3, G.SRT.6
Chapter 8-4,5	8-4 Trigonometry 8-5 Angles of Elevation and Depression	8.4 p573 (16-61) 8.5 p583 (4-22)	G.SRT.6,G.SRT.7, G.SRT.8
Chapter 8-6,7	8-6 The Law of Sines and Law of Cosines 8-7 Vectors	8.6 p593 (12-42,45,46,47-53) 8.7 p605 (12-40,43-47)	G.SRT.9,G.SRT.10, G.GPE.6
Chapter 9-1, 2	9-1 Reflections	Chapter 9-1, 2	9-1 Reflections
Chapter 9-3, 4	9-3 Rotations 9-4 Compositions of Transformations	9.3 p643 (5-20, 24-30) 9.4 p655 (7-23, 25-27, 34, 35)	G.C0.4, G.C0.5, G.C0.2
Chapter 9-5, 6	9-5 Symmetry 9-6 Dilations	9.5 p666 (9-30, 35-41) 9.6 p677 (9-18, 21-27, 32, 36)	G.C0.3, G.C0.2, G.SRT.1
Chapter 10-1, 2, 3	10-1 Circles and Circumference 10-2 Measuring Angles & Arcs 10-3 Arcs and Chords	10.1 p701(10-33, 35, 36-39, 45, 47) 10.2 p710 (12-23, 25, 26-41, 45-50, 53, 54) 10.3 p719 (7-20, 22-26, 31-33)	G.C0.1, G.C.1, G.C.2, G.C.5, G.MG.3
Chapter 10-4, 5, 8	10-4 Inscribed Angles 10-5 Tangents 10-8 Equations of Circles	10.4 p727 (11-30, 36, 41) 10.5 p736 (9-22, 24-29) 10.8 p760 (13-36)	G.C.2, G.C.3, G.C0.12, G.C.4, G.GPE.1, G.GPE.6
Chapter 11-1, 2	11-1 Areas of Parallelograms and Triangles 11-2 Areas of Trapezoids, Rhombi and Kites	11.1 pp783(10-122, 28, 30-33, 36) 11.2 p793 (8-24, 26, 27, 30-33)	G.GPE.7, G.MG.3
Chapter 11-3, 4, 5	11-3 Areas of Circles and Sectors 11-4 Areas of Regular Polygons and Composite Figures 11-5 Areas of Similar Figures	11.3 p801(8-23, 26-29, 31-43) 11.4 p811(8-24, 26-32, 34) 11.5 p821(6-13, 24)	G.C.5, G.GMD.1, G.MG.3, G.MG.1

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Chapter 1-7 (including lab)	1-7 30 Figures	1.7 p71 (6-24, 26-33, 35, 36)	G.GMD.3
Chapter 12 – 2, 3	12-2 Surface Areas of Prisms and Cylinders 12-3 Surface Areas of Pyramids and Cones	12.2 p850 (9-27, 30-38} 12.3 p859 (7-18, 22-31, 33-35)	G.MG.3, G.MG.1
Chapter 12-4, 5	12-4 Volumes of Prisms and Cylinders 12-5 Volumes of Pyramids and Cones	12.4 p866 (10-26, 32-34, 39, 41} 12.5 p876 (10-22, 24, 26-28, 31-35}	G.GMD.1, G.GMD.3
Chapter 12- 6	12-6 Surface Areas and Volumes of Spheres	12.6 p884 (10-25, 29, 30, 31, 33-44)	G.GMD.1, G.GMD.3
Exam			