

Unit 2	Topic	Work
2.1 Mar 3 Tue	Learning goals: Understand the following terms and definitions: - medians vs altitudes - perpendicular bisectors vs angle bisectors - centroid, orthocentre, circumcentre, incentre Drawing the altitude, right perpendicular and angle bisector; find the points of intersections of altitude, right bisectors and medians. (Note: using ruler and right angle rules and compass is sufficient enough for this topic.) Classwork Triangle Centres Software Demo : Triangle Centres Class Video: special lines	Independent Study Booklet Optional P31 #1, 2, 4, 5 P34 # 6, and 7
2.2 Mar 5 Thu	Learning goal: understand the midpoint formula and applications Midpoint Online Lesson Distance, Midpoint Recap Tutorial	P173 #2acegh, 4, 5, 8, 12, 13a,14a
2.3 Mar 6 Wed	Distance on the plane I (distance to the origin) $d = \sqrt{x^2 + y^2}$	P151 #2, 3, 6—11, 14
	Distance on the plane II (distance between two points) $d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$	Distance Between Two Points P162 #2(a-f), 3, 4, 5, 8, 11
March 9 Mon	Unit 1 Test	
2.5 Mar 10 Tue	Circle centered at origin $x^2 + y^2 = r^2$	Handout: Circles

	Power point CFU Circle Solution	P155 #1, 2, 4, 5, 9, 11, 12, 15
	More Circles and Distance Formula	
2.7 Mar 11 Wed	Analytic Geometry (putting it together) Solutions	CP: Analytic Geometry Toolbox
2.8 Mar 12 Thur	QUIZ Distance, definitions of triangles, midpoint Special line 1 : Medians (Solutions #1 ; solution to #2)	CP: Median
2.9 Mar 13 Fri	Special line 2 : Perpendicular Bisectors (Solution)	CP: Perpendicular bisectors Altitude and perpendicular lines from C to AB
	Enjoy Your March Break	
2.10 Mar 23 Mon	Determine the length of an altitude Special line 3 : Altitude and perpendicular lines (Solution) Less Notes: Perpendicular and Altitude Solution to Length of Altitude	Length of an Altitude P195 #4, 7, 9, 11 Optional: P195 #6, 8, 10, 12–17
2.11 March 24 Tue	Review: - properties of quadrilaterals and Triangles Copy Key Ideas on P178 to the worksheets – Review of Quadrilaterals. - area and perimeter Assignment out	P37 #1, 2, 3, 4, 6, 7 P39 #1, 2, 4, 5, 6
2.12 Mar 25 Wed	Classifying Shapes on the Plane I Properties of Triangles	Read examples on P178–181 #1, #2 Read examples on P200 #1 P182 #2, 3, 5–10
2.13 Mar 26 Thur	Classifying Shapes on the Plane II(Solutions) Properties of Quadrilaterals (one must get a lot of work done in class!)	Properties of Geometric Figures Analytical Geometry Worksheets #2 Optional Practice

		P183 #11odd, 13, 18, 20, 21
2.12 Mar 27 Fri	Verifying properties of geometry shapes Class notes	Review Handouts
2.13 Mar 30 Fri	Review 1 Assignment Due	Handout P196 #22 Optional Review P203 #3–7, 10, 11 Optional review: P209 #7–23
Apr 1 Mon	Quadratics Lesson Start	
April 2 Tuesday	Test 2 – Analytic Geometry	