



Penny Chivers Maths Tutor

One year Maths IGCSE Higher Course

Second Term

Week 8	02/11/2020	Pythagoras Trigonometry 3 D Trig	Review on Pythagoras & basic trig Use with obtuse angles Using with 3 D shapes
Week 9	09/11/2020	Sine Rule Cosine Rule	Sine rule Cosine rule trigonometric ratios for angles up to 180° Area of a triangle using Sine
Week 10	16/11/2020	Surds	Simplifying rationalising denominators Interior & Exterior of a Polygon using with complex problems
Week 11	23/11/2020	Area/Volume Surface Area	review of basic area, & volume area of sectors volume of cones, spheres & pyramids surface area
Week 12	30/11/2020	Similar Shapes	review of scale factors finding side lengths finding area & volume
Week 13	07/12/2020	Straight line graphs Other Graphs	$y = mx + c$ finding equations from coordinates parallel & perpendicular gradients midpoint of line segments length of a line segment refresh of inequalities