Year 10 Higher - Half Term 3 January - February

Students should use the links below to revise topics covered in the third half term.

Section 1 Substitution - Recap

Algebra: substitution	Video 20	Textbook Exercise	Textbook answers
Review		Practice Questions	Practice Questions answers

Section 2 Linear Sequences and other Sequences

Sequences: nth term	Video 288		
Sequences: fractional sequences	Video 289	Textbook Exercise	Textbook answers
Review		Practice Questions	Practice Questions answers
Sequences: patterns	Video 290	Textbook Exercise	Textbook answers
Review		Practice Questions	Practice Questions answers

Sequences: Fibonacci	Video 287a	Textbook Exercise	Textbook answers
Geometric progressions	Video 375 No questions you just need to be able to recognize a geometric sequence		

Section 3 Linear Graphs

Linear graphs: y=a graphs	Video 192		
Linear graphs: x=a graphs	Video 193	Textbook Exercise	Textbook answers
Linear graphs: drawing using xy table	Video 186		
Linear graphs: drawing using y=mx+c	Video 187	Textbook Exercise	Textbook answers
Review		Practice Questions	Practice Questions answers

Linear graphs: gradient of a line	Video 189		
Linear graphs: gradient between points	Video 190	Textbook Exercise	Textbook answers
Review		Practice Questions	Practice Questions answers

Linear graphs: y=mx+c	Video 191		
Linear graphs: find equation of a line	Video 194		
Linear graphs: equation through 2 points	Video 195	Textbook Exercise	Textbook answers
Review		Practice Questions	Practice Questions answers

Linear graphs: parallel lines	Video 196		
Linear graphs: perpendicular lines	Video 197	Textbook Exercise	Textbook answers
Review		Practice Questions	Practice Questions answers

Section 4 Quadratic Graphs

Quadratic graphs: drawing	Video 264	Textbook Exercise	Textbook answers
Review		Practice Questions	Practice Questions

answers

Section 5 Quadratic Sequences

Quadratic nth term – Version 3	Video 388c	Textbook Exercise	Textbook answers
Review		Practice Questions	Practice Questions answers

Section 6 Inequalities

Inequalities	Video 176		
Inequalities on a number line	Video 177	Textbook Exercise	Textbook answers
Inequalities: solving (one sign)	Video 178		
Inequalities: solving (two signs)	Video 179	Textbook Exercise	Textbook answers
Review		Practice Questions	Practice Questions answers

Section 7 Regions

Inequalities: graphical y>a or x>a	Video 180	Textbook Exercise	Textbook answers
Inequalities: graphical y>x+a	Video 181		
Inequalities: regions	Video 182	Textbook Exercise	Textbook answers
Review		Practice Questions	Practice Questions answers