Year 9 Objective List – Higher   HT4 – 2022-23

Equations, Inequalities, Sequences and Graphs:

Objective	Sparx Task	
Plot linear graphs from equations	M932	
Plot two linear graphs on the same axes and solve from the graph	U836	
Solve pairs of simultaneous equations algebraically	U757, U760	
More practice solving simultaneous equations	U757, U760	
Rearrange an equation into form y=mx+c	M888	
Intercepts and gradients	M888	
Review equation of a straight line (new to set 3 students)	M888	
Find the equation between two points	U848	
Find equation of lines given gradient (parallel) and a point	U477	
Find average speed or acceleration from non-standard distance time or speed-time graphs	M581, U937	
Use graphs to find solution to quadratic and linear equation	U875	
Plot quadratic graphs	U989	
Solving inequalities by graphing straight lines	U747	
Solve inequalities that involve quadratic graphs	U133	
Plot cubic graphs	U980	
Recognise and draw reciprocal graphs	U593	