## Year 9 Objective List – Higher HT4

## **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