

## Higher tier mock revision list

Fractions with  $\times$   $-$  and  $\div$   
ratio sharing  
percentage change  
speed  
estimation  
surface area  
coordinates problem  
transformations  
area with ratio  
indices including fractional and negative  
boxplots  
circle theorems  
proof (odd and even)  
surds  
inverse and direct proportion  
factorising  
algebraic fractions  
ratio with probability  
curve transformations  
 $y = mx + c$  problem  
solving inequalities

indices (basic rules)  
HCF/LCM  
equation of straight line  
percentages and ratio  
drawing quadratic graph  
percentage change  
transformations  
two way table  
compound interest problem  
vectors - basic  
functions  
proportionality graphs  
circle theorems  
tangent to graph/gradient  
probability tree diagram  
circle graph  
histogram  
trigonometry in 3D  
volume (sphere) changing the subject  
surds  
upper/lower bounds in calculation

scattergraphs  
expand and simplify  
probability tree diagrams  
area  
trigonometry  
probability  
solving equation  
interior/exterior angles of polygons  
standard form  
percentage increase/decrease  
LCM problem  
compound percentages (multipliers)  
gradient of straight line  
similar shapes - length/area/volume  
number of ways  
area under a curve  
sequences including quadratic  
simultaneous equations  
sine/cosine rule  
iteration  
solving quadratic equation in a  
problem with trigonometry  
venn diagrams  
congruency