# Functions Progress June 1 

In class TaskDateQuestion written downWorking vertically set out (line down centre)Coordinates labelled with ( $x, y$ ), not just either $x$ or $y$Graph constructed neatlyWorking shown sequentiallyFound and labelled 2 points to graph linear function (convention is to use intercepts)Used discriminant to establish if it is necessary to find x intercepts of quadratic functionFound value of vertex of quadratic functionFound value of $x$-intercepts of quadratic functionFound y intercept of quadratic functionEquated the 2 functions to each otherRearranged the 2 functions to solve (realising that solving this is different to finding x intercepts. This step is finding intersection points of the 2 functions)Uses factorising methods to solve. Finds 2 values of x .Substitutes x values into original equation to find corresponding y coordinates.Checks solutions against graph created to ensure reasonableness.Shows clearly in graph or sentence the coordinates of the intersection pointsReflects and writes comment about the parts of the process that are difficult

