

Functions Progress June 1

In class Task

- ☐ Date
- ☐ Question written down
- ☐ Working vertically set out (line down centre)
- ☐ Coordinates labelled with (x,y) , not just either x or y
- ☐ Graph constructed neatly
- ☐ Working shown sequentially
- ☐ Found 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 function
- ☐ Found value of vertex of quadratic function
- ☐ Found value of x -intercepts of quadratic function
- ☐ Found y intercept of quadratic function
- ☐ Equated the 2 functions to each other
- ☐ Rearranged 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 points
- ☐ Reflects and writes comment about the parts of the process that are difficult
- ☐