

- (ii) Find the two values of m for which the line is a tangent to the curve $y = x^2 4x + 5$. For each value of m, find the coordinates of the point where the line touches the curve. [6]
- (iii) Express $x^2 4x + 5$ in the form $(x + a)^2 + b$ and hence, or otherwise, write down the coordinates of the minimum point on the curve. [2]