

9 The point $A(2, 2)$ lies on the curve $y = x^2 - 2x + 2$.

(i) Find the equation of the tangent to the curve at A .

[3]

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The normal to the curve at A intersects the curve again at B .

(ii) Find the coordinates of B .

[4]

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[illegible]

The tangents at A and B intersect each other at C .

(iii) Find the coordinates of C .

[4]

This image shows a full page of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.