



The diagram shows part of the curve $y = 1 - 2x - (1 - 2x)^3$ intersecting the x -axis at the origin O and at $A(\frac{1}{2}, 0)$. The line AB intersects the y -axis at B and has equation $y = 1 - 2x$.

- (i) Show that AB is the tangent to the curve at A .

[4]

[illegible]

[illegible]

This image shows a full page of white paper with horizontal dashed lines. The lines are evenly spaced and run across the width of the page, providing a guide for handwriting practice. There are no margins, text, or other markings on the page.