



The diagram shows part of the curve $y = \sqrt{(5x - 1)}$ and the normal to the curve at the point $P(2, 3)$. This normal meets the x -axis at Q .

- (i) Find the equation of the normal at P .

[4]

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

(ii) Find, showing all necessary working, the area of the shaded region.

[7]

[illegible]