

- has equation $y = -\frac{m}{x}$. There is a single point P on the curve such that the straight line is a tangent to the curve at P .

(a) Find the coordinates of P , giving the y -coordinate in terms of m .

[6]

The normal to the curve at P intersects the curve again at the point Q .

(b) Find the coordinates of Q in terms of m .

[4]

This image shows a full page of a handwriting practice worksheet. It consists of multiple sets of three horizontal dotted lines, providing a guide for letter height and placement. The lines are evenly spaced across the entire page, leaving ample room for writing practice. There is no text or other markings on the page.