

9 (a) Sketch both of the following on the axes provided in the Printed Answer Booklet.

(i) The curve $y = \frac{12}{x}$, stating the coordinates of at least one point on the curve. [2]

(ii) The line $y = 2x + 8$, stating the coordinates of the points at which the line crosses the axes. [2]

(b) In this question you must show detailed reasoning.

Determine the exact coordinates of the points of intersection of the curve and the line. [5]