

3 The straight line with equation $2x + y = 6$ crosses the x -axis at A and the y -axis at B.

(a) Draw the line with equation $2x + y = 6$ on the grid in the Printed Answer Booklet. **[1]**

(b) Determine the equation of the perpendicular bisector of AB. **[6]**

(c) Points A and B are opposite vertices of a square of side a .

Determine the exact value of a . **[3]**

3(a)

