8

The diagram shows a rhombus $ABCD$ in which the point A is $(-1, 2)$, the point C is $(5, 4)$ and the point B lies on the y-axis. Find

  (i) the equation of the perpendicular bisector of AC,   [3]

 (ii) the coordinates of B and D,   [3]

(iii) the area of the rhombus.   [3]