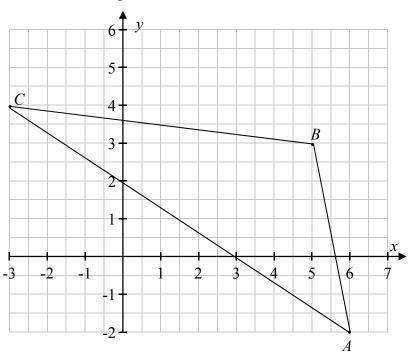
Question 1 (25 marks)

The points A(6, -2), B(5, 3) and C(-3, 4) are shown on the diagram.

(a) Find the equation of the line through B which is perpendicular to AC.





(b) Use your answer to part (a) above to find the co-ordinates of the orthocentre of the triangle ABC.

