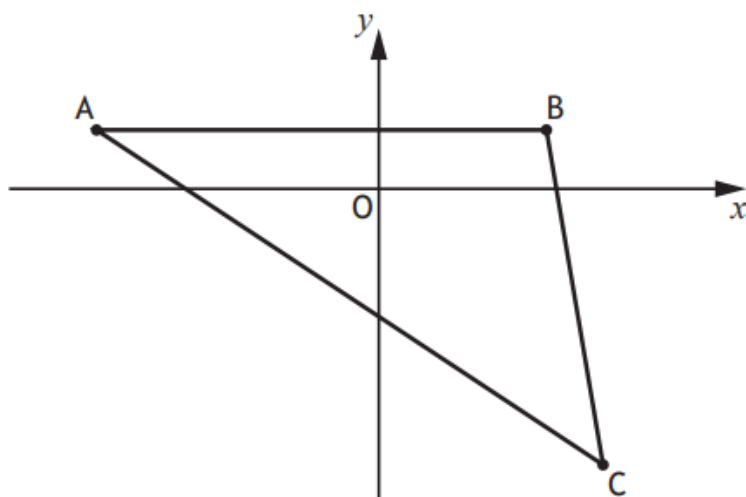


Higher Maths  
SQA 2021 Paper 2  
Question 4



Triangle ABC has vertices A  $(-5, 1)$ , B  $(3, 1)$  and C  $(4, -5)$ .



- (a) The line  $L_1$  is the altitude through B.  
Find the equation of  $L_1$ . 3
- (b) The line  $L_2$  is the perpendicular bisector of AB.  
Find the equation of  $L_2$ . 3
- (c) Determine the coordinates of the point of intersection of  $L_1$  and  $L_2$ . 1

Answers:

- (a)  $3x - 2y = 7$   
or equivalent
- (b)  $x = -1$
- (c)  $(-1, -5)$