Triangle ABC has vertices A($-5,-12$), B($11,-8$) and C($-3,6$).
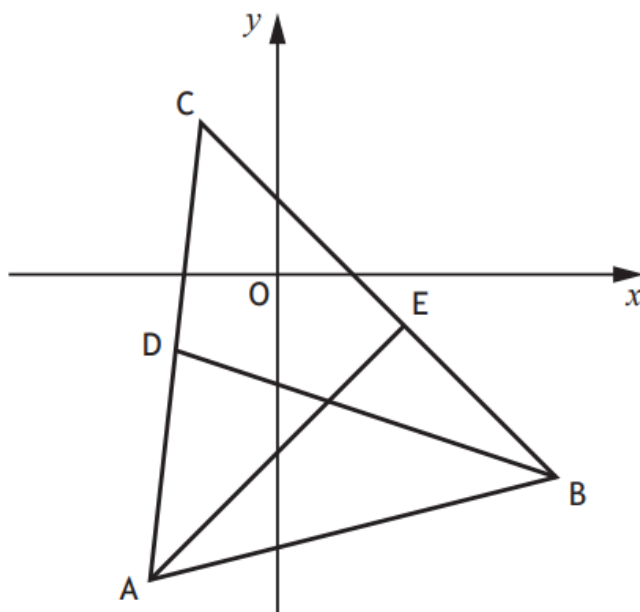


(a)  Find the equation of the median BD.                                3

(b)  Find the equation of the altitude AE.                              3

(c)  Find the coordinates of the point of intersection of BD and AE.    2

Answers:

(a)      $3y = -x - 13$  (or equivalent)

(b)      $y = x - 7$

(c)      $(2, -5)$