

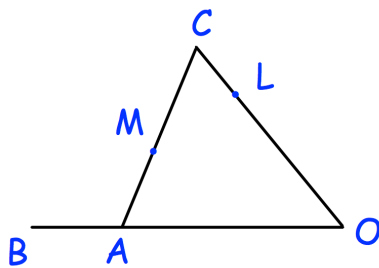
26th October

Corbettmaths

The line L has equation $y = 2x + 8$
 The line L crosses the x-axis at the point A.
 The line M is perpendicular to Line L and passes through the point A

Find the coordinates of the point A.

Find equation of the Line M.



$$\vec{OC} = 8\mathbf{a}$$

$$\vec{OA} = 4\mathbf{b}$$

$$\vec{AB} = 2\mathbf{b}$$

$$\vec{OL} = 6\mathbf{a}$$

M is the midpoint of AC

Work out the vector

$$\vec{LM}$$

Show that L, M and B lie on a straight line.

Express as a single fraction

$$\frac{b}{a} - \frac{a-1}{b+1}$$