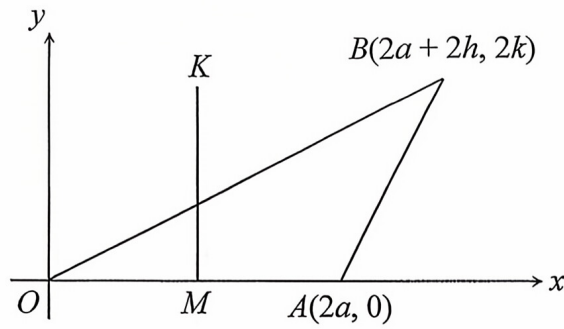


[illegible]

Handwriting practice lines consisting of 25 horizontal dotted lines.

2. In the figure, the origin O , A and B are the vertices of a triangle. M is a point on OA such that MK is the perpendicular bisector of OA .
- (a) Express the x -coordinate of K in terms of a .
- (b) L_1 is the perpendicular bisector of AB and it passes through K . Prove that the y -coordinate of K is $\frac{h(a+h)}{k} + k$.
- (c) L_2 is the perpendicular bisector of OB . Prove that MK , L_1 and L_2 intersect at K .



Handwriting practice lines consisting of 24 horizontal dotted lines.

(Challenging_3A08_e Q.13)

END OF ASSIGNMENT