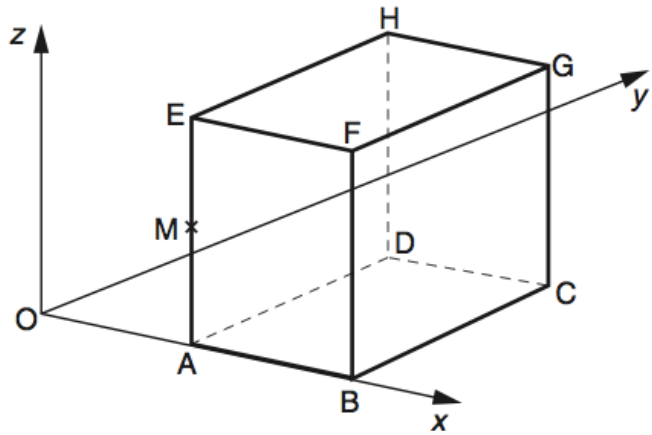


Geometry - Coordinates in 3D

ABCDEFGH is a cuboid.
With the x , y and z axes shown,
A is the point $(3,0,0)$,
B is the point $(8,0,0)$,
D is the point $(3,6,0)$,
E is the point $(3,0,4)$.



(a) Write down the coordinates of

(a)(i) C (____, _____, _____) [1]

(ii) F (____, _____, _____) [1]

(iii) G (____, _____, _____) [1]

(b) Work out the coordinates of M, the midpoint of AE.

.....
.....

(b) (____, _____, _____) [2]

Geometry - Coordinates in 3D

ABCDEFGH is a cuboid.

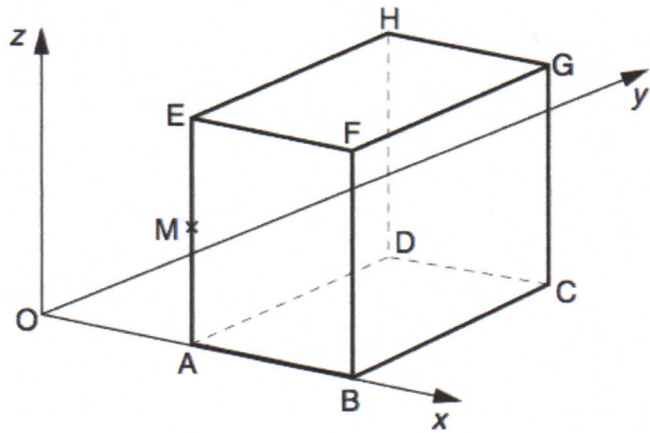
With the x , y and z axes shown,

A is the point $(3,0,0)$,

B is the point $(8,0,0)$,

D is the point $(3,6,0)$,

E is the point $(3,0,4)$.



(a) Write down the coordinates of

(a)(i) C (8 , 6 , 0) [1]

(ii) F (8 , 0 , 4) [1]

(iii) G (8 , 6 , 4) [1]

(b) Work out the coordinates of M, the midpoint of AE.

$A(3, 0, 0)$

$E(3, 0, 4)$

.....
.....
(b) (3 , 0 , 2) [2]