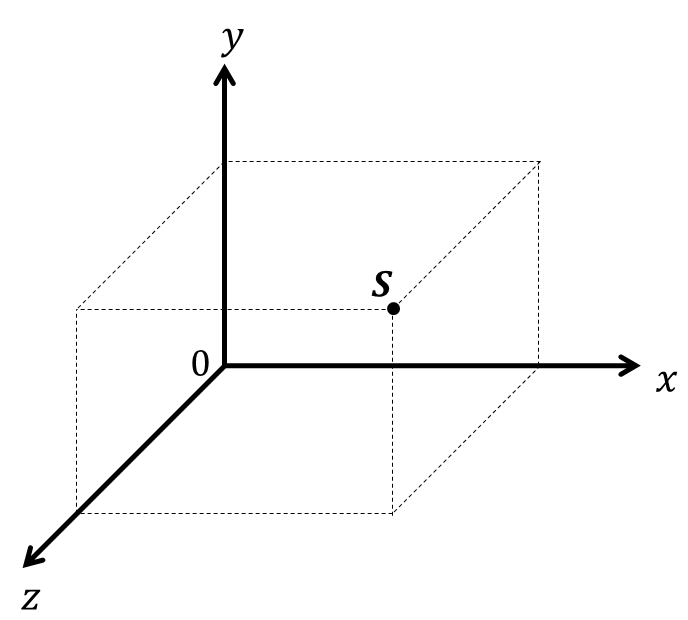
A picture containing drawing

Description automatically generated**3D Coordinates GREEN**

Question 1



The diagram shows a cuboid drawn on a 3D grid.

Three of the vertices of the cuboid are

a) Label the vertex with a cross (×).

The vertex S is shown on the diagram.

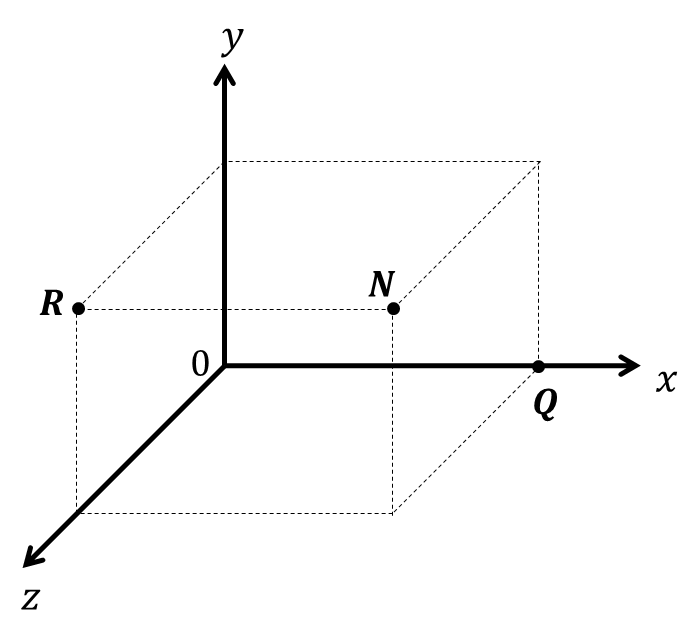
b) Write down the coordinates of the vertex .

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) Calculate the volume of the cuboid.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ units2

Question 2



The diagram shows a cuboid drawn on a 3D coordinate grid.

The vertex of the cuboid has coordinates .

a) What are the coordinates of the vertex ?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) What are the coordinates of the midpoint of the line segment ?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

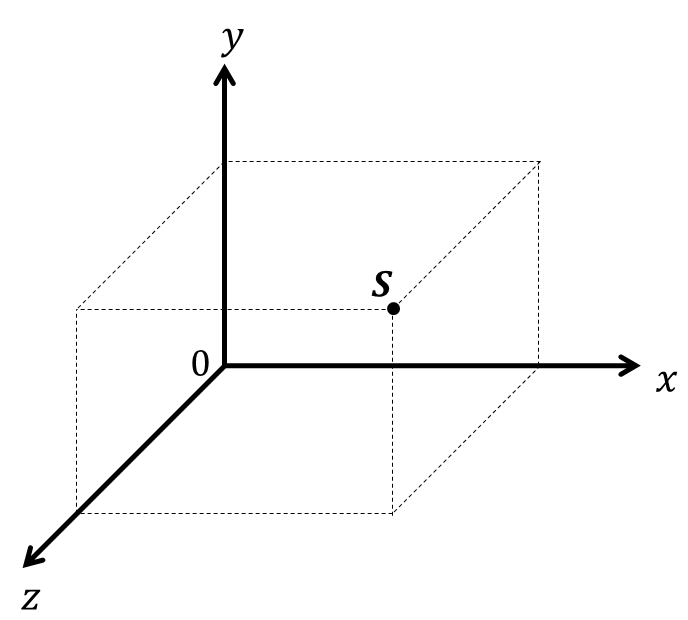
c) What are the coordinates of the midpoint of the line segment ?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A picture containing drawing

Description automatically generated**3D Coordinates AMBER**

Question 1



The diagram shows a cuboid drawn on a 3D grid.

This is your worksheet. Draw all over that diagram to include the information you’ve been given!

Three of the vertices of the cuboid are

a) Label the vertex with a cross (×).

The vertex S is shown on the diagram.

b) Write down the coordinates of the vertex .

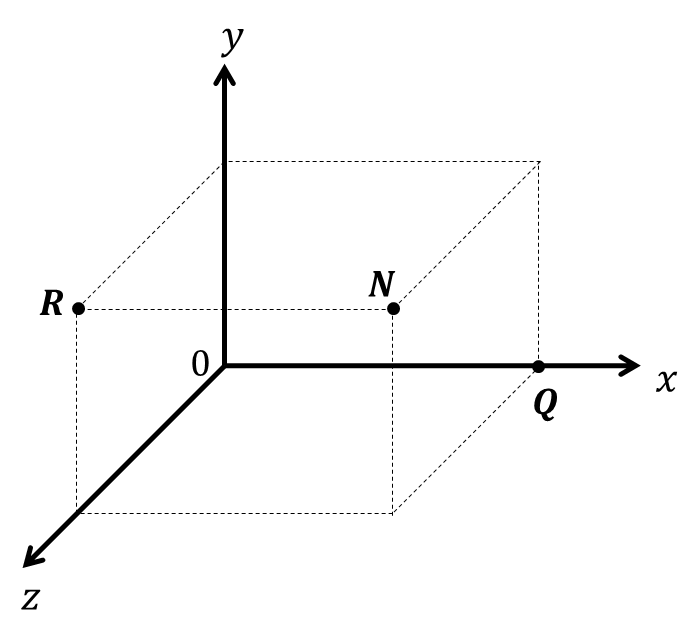
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) Calculate the volume of the cuboid.

What are the dimensions of the cuboid?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ units2

Question 2



The diagram shows a cuboid drawn on a 3D coordinate grid.

The vertex of the cuboid has coordinates .

a) What are the coordinates of the vertex ?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) What are the coordinates of the midpoint of the line segment ?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) What are the coordinates of the midpoint of the line segment ?

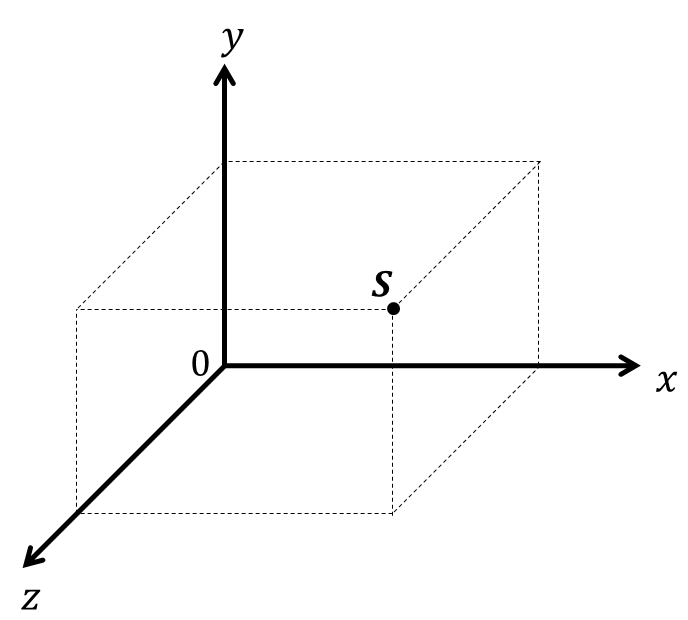
Start by working out the coordinates of point .

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A picture containing drawing

Description automatically generated**3D Coordinates RED**

Question 1





The diagram shows a cuboid drawn on a 3D grid.

This is your worksheet. Draw all over that diagram to include the information you’ve been given!

Three of the vertices of the cuboid are

a) Label the vertex with a cross (×).

The vertex S is shown on the diagram.

b) Write down the coordinates of the vertex .

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) Calculate the volume of the cuboid.

What are the dimensions of the cuboid?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ units2

Question 2





The diagram shows a cuboid drawn on a 3D coordinate grid.

The vertex of the cuboid has coordinates .

a) What are the coordinates of the vertex ?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) What are the coordinates of the midpoint of the line segment ?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) What are the coordinates of the midpoint of the line segment ?

Start by working out the coordinates of point .

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_