**Summary:**

108 variations. Coordinate geometry – Line from two points.

**Question:**

Point C is found at <EFOFEX>
id:fxe{68872739-d41e-4c50-a430-364dbc7ec974}
FXGP:DP-L8gKjvs
FXData:

</EFOFEX>and Point B is located at <EFOFEX>
id:fxe{4f0044ce-760e-409d-a4e8-903f14375153}
FXGP:DP-L8gKjvs
FXData:

</EFOFEX>.

a) Plot these points on the Cartesian plane provided. Clearly label them on the grid.

<EFOFEX>
id:fxd{488532ba-c2cb-4f7e-b0a1-42878348528f}
FXGP:DP-L8gKjvs
FXData:

</EFOFEX>

b) Draw a line connecting these two points. Find the gradient of line segment BC. Clearly show your method.

c) Write the equation of the line in the form *y = mx + c*.

[2,3,3 = 8 Marks]

**Solution:**

a)

<EFOFEX>
id:fxd{87264299-9b30-4959-a841-e066993ca0a2}
FXGP:DP-L8gKjvs
FXData:

</EFOFEX>

b) <EFOFEX>
id:fxe{399c75f2-bb0f-4680-b270-223d3ae96ef8}
FXGP:DP-L8gKjvs
FXData:

</EFOFEX>

c) <EFOFEX>
id:fxe{f8556424-bef6-4fc6-b1cd-ca3c7d89c880}
FXGP:DP-L8gKjvs
FXData:

</EFOFEX>