**Summary:**

768 variations. Linear functions, gradient, x and y intercepts.

**Question:**

Consider the equation of the line <EFOFEX>
id:fxe{bc5d707a-414e-4b14-b93b-dfd63a6e52c5}
FXGP:DP-MX7KqKP
FXData:

</EFOFEX>

Clearly show your method of finding the coordinates of the:

a) x intercept b) y intercept

Consider the equation of the line <EFOFEX>
id:fxe{aa75c711-ee90-4ab1-959a-4cf7f36151d9}
FXGP:DP-sVwtpkd
FXData:

</EFOFEX>

c) Re-arrange this equation into the form <EFOFEX>
id:fxe{332f9c2c-2f92-4b40-998d-d659bd87f96c}

FXData:

</EFOFEX> and state the gradient.

[3,2,3 = 8 Marks]

**Solution:**

a) The x intercept is when y = 0.

<EFOFEX>
id:fxe{547295ac-f280-4ab8-8a87-95e59bb185d6}
FXGP:DP-MX7KqKP
FXData:

</EFOFEX>

b) The y intercept is when x = 0.

<EFOFEX>
id:fxe{ed74ac06-4645-4bcd-aade-fae80c77e075}
FXGP:DP-MX7KqKP
FXData:

</EFOFEX>

c) <EFOFEX>
id:fxe{189a7590-e3dd-4027-b587-34f8634e48b6}
FXGP:DP-sVwtpkd
FXData:

</EFOFEX>