AQA, OCR, Edexcel

GCSE

GCSE Maths

Straight Lines and Gradients Questions

Name:

MME
Mathsmadeeasy.co.uk

Total Marks: /21

Straight Lines and Gradients (Written Problems)

1. Answer the following questions about straight line graphs:
   a. What is the equation of a straight line and what does each letter represent?
   b. Give the equation of the straight line that passes through (0,0) with gradient 1.

(4 Marks)

2. Give that equation of the straight line with gradient 2 that passes through (1,4) and (2,6).

(2 marks)

3. A straight line has a gradient of 2 and passes through the point (0,2). Write down another coordinate that the line passes through.

(2 marks)

4. A line passes through the points (0,-2) and (-1,-4) and crosses the y axis at -2. Find the equation of the straight line.

(2 marks)

5. A straight line passes through (0,0) and (2,8). Find the equation of the line.

(4 marks)

6. A straight line passes through (4,4) and (6,12). Find the equation of the line.

(4 marks)

7. A line crosses the y axis at 2 and passes through (1,4). Find the equation of the line.

(3 marks)