

Find the gradient of a line

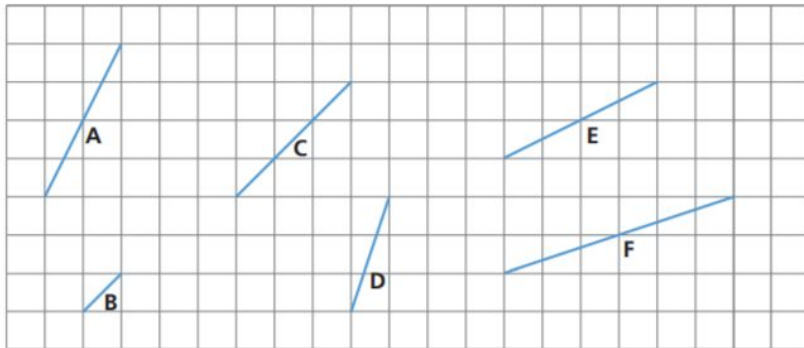
Maths

Mr Clasper



Find the gradient of a straight line

1. Work out the gradient of each line



2. On a squared grid draw a line with a gradient of 3 and a line with a gradient of -3

What is the same and what is different about your lines?

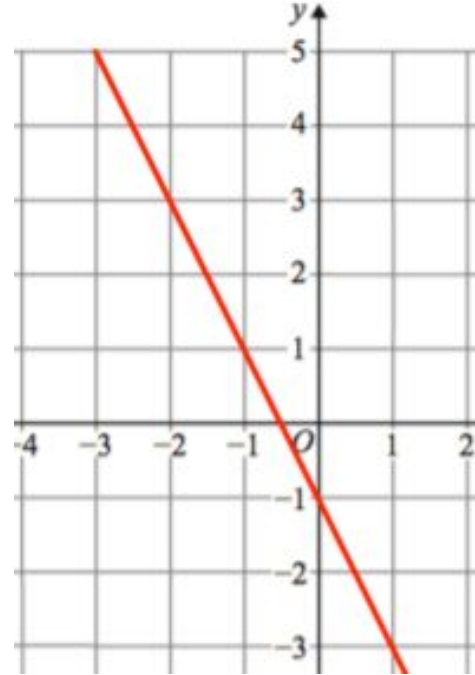
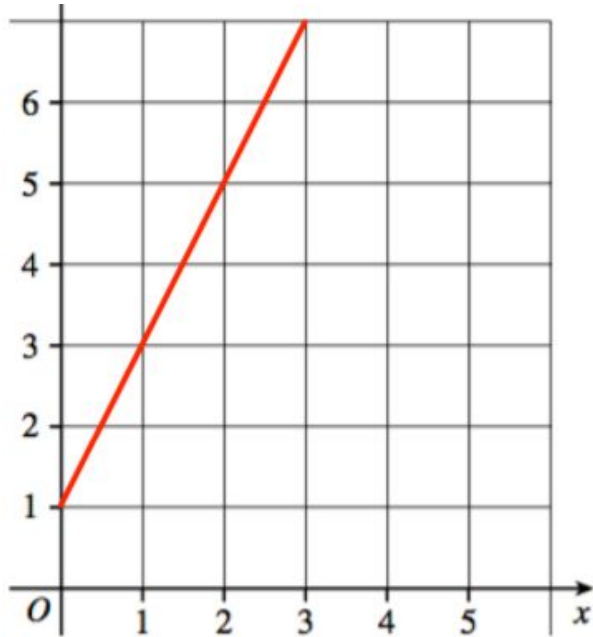


Find the gradient of a straight line

3. Work out the gradient of each line.

b)

a)



Find the gradient of a straight line

4. A is the point with coordinates (1, 4)

B is the point with coordinates (7, 22)

Find the gradient of AB.

5. Work out the gradient of the line
passing through the points (3, 2) and
(7, 20)

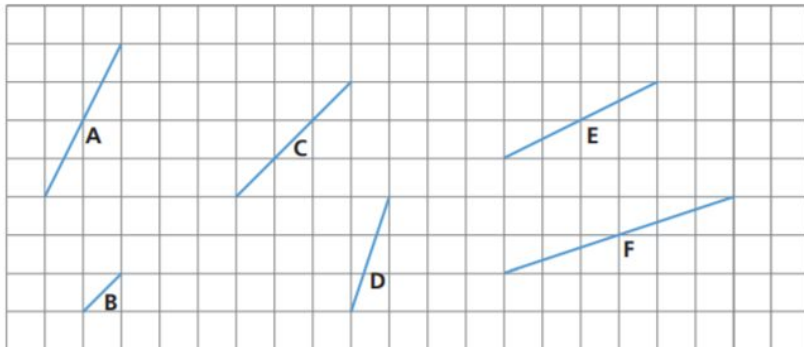


Answers



Find the gradient of a straight line

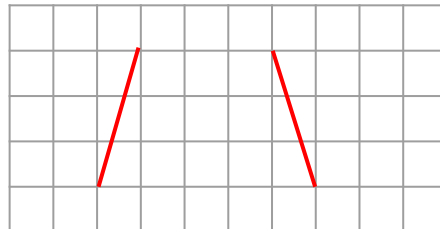
1. Work out the gradient of each line



$$A = 2, B = 1, C = 1, D = 3, E = \frac{1}{2}, F = \frac{1}{3}$$

2. On a squared grid draw a line with a gradient of 3 and a line with a gradient of -3

e.g.



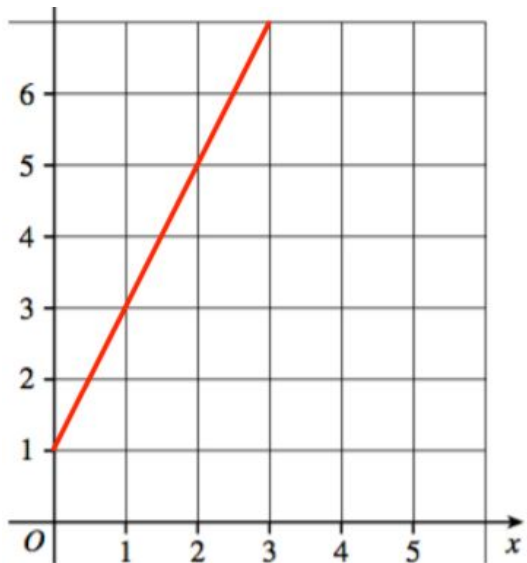
What is the same and what is different about your lines?



Find the gradient of a straight line

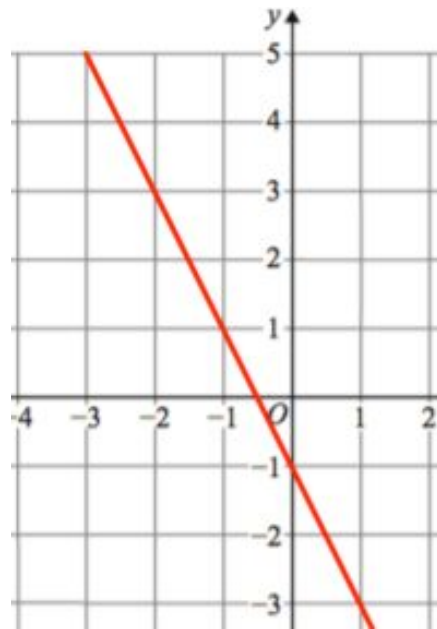
3. Work out the gradient of each line.

a)



gradient = 2

b)



gradient = -2



Find the gradient of a straight line

4. A is the point with coordinates (1, 4)

B is the point with coordinates (7, 22)

Find the gradient of AB.

$$\text{gradient} = 3$$

5. Work out the gradient of the line
passing through the points (3, 2) and
(7, 20)

$$\text{gradient} = 4.5$$

