1 The equation of a straight line is $2y = 6x + 8$

Circle the gradient of the line.

$y = \frac{6}{2}x + \frac{8}{2}$

$= 3x + 4$

[1 mark]

6 8 3 4

1

2 (a) Work out the gradient of the line $2y = 10x$ $y = 5x$

[1 mark]

Answer 5 (1)

3 *P* and *Q* are points.

The x-coordinate of *Q* is 4 **more** than the x-coordinate of *P*.

The y-coordinate of *Q* is 5 **less** than the y-coordinate of *P*.

Work out the gradient of the straight line through *P* and *Q*.

[2 marks]

let P(0,0) , then Q(4,-5)

gradient : $\frac{-5-0}{4-0} = -\frac{5}{4}$

Answer $-\frac{5}{4}$ (2)