



## Leith Academy National 5 Home Learning



### THE STRAIGHT LINE

### NON-CALCULATOR

1) State the gradient and  $y$ -intercept of these straight lines.

a)  $y = 3x + 6$

b)  $y = 5 - 6x$

c)  $3y + 9x + 21 = 0$

2) State the equation of these lines from the clues given.

a) Gradient = 4 and passes through the point (0, -5)

b) Gradient = -2 and passes through the point (0, 3)

c) Gradient = 3 and passes through the point (3, 4)

3) Work out the equation of the straight line passing through these points. Give your answer in the simplest form.

a) (1, 4) and (2, 8)

b) (3, -2) and (5, 8)

c) (4, 7) and (10, -5)