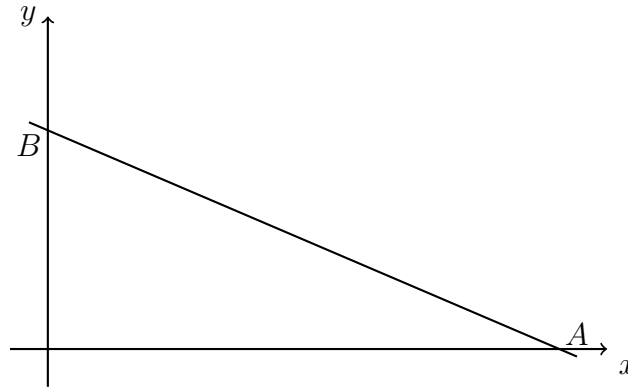**4.7 Do Now Quiz: Linear equations**

1. (a) The diagram shows the straight line L_1, which intersects the x-axis at $A(8, 0)$ and the y-axis at $B(0, 3)$.

Write down the coordinates of M, the midpoint of the segment AB.   [2 points]

(b) Calculate the gradient of L_1.   [2 points]

(c) The line L_2 is parallel to L_1 and passes through the point $(4, 5)$.   [2 points]

Find the equation for the line L_2. Give your answer in the form $y = mx + c$.