Equation of a Straight Line Difficulty: Easy

Question Paper 1

Level	AS & A Level
Subject	Maths - Pure
Exam Board	Edexcel
Topic	Straight Line Graphs
Sub-Topic	Equation of a Straight Line
Difficulty	Easy
Booklet	Question Paper 1

Time allowed: **8 minutes**

Score: **/7**

Percentage: **/100**

Grade Boundaries:

A*	A	B	C	D	E	U
>76%	61%	52%	42%	33%	23%	<23%

The straight line L_1 passes through the points $(-1, 3)$ and $(11, 12)$.

(a) Find an equation for L_1 in the form $ax + by + c = 0$,

    where a, b and c are integers. **(4)**

The line L_2 has equation $3y + 4x - 30 = 0$.

(b) Find the coordinates of the point of intersection of L_1 and L_2. **(3)**

(Total 7 marks)