



**Co-Ordinate Geometry, The Line**  
**Maths Past Exam Questions**  
**Higher Level**



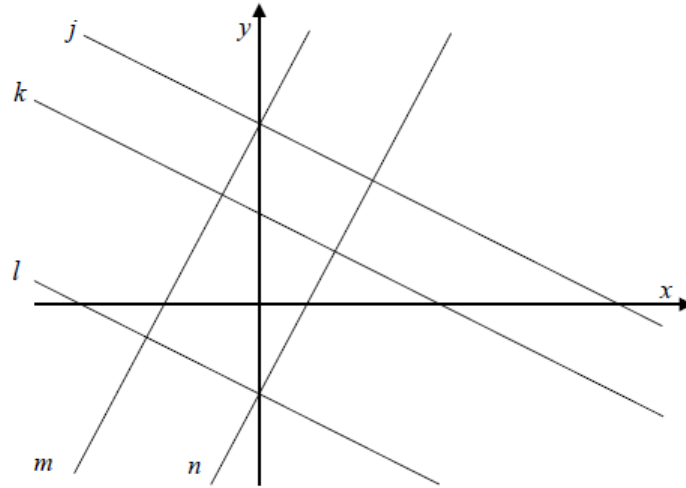


Paper 2 – Project Maths – Section A – Q3

Question 3

(25 marks)

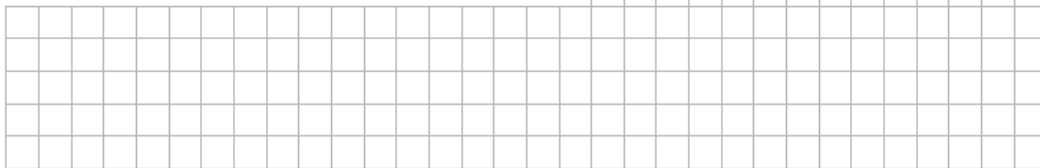
In the co-ordinate diagram shown, the lines  $j$ ,  $k$ , and  $l$  are parallel, and so are the lines  $m$  and  $n$ . The equations of four of the five lines are given in the table below.



Equation	Line
$x + 2y = -4$	
$2x - y = -4$	
$x + 2y = 8$	
$2x - y = 2$	



- (a) Complete the table, by matching four of the lines to their equations.



- (b) Hence, insert scales on the  $x$ -axis and  $y$ -axis.

- (c) Hence, find the equation of the remaining line, given that its  $x$ -intercept and  $y$ -intercept are both integers.

