



Maths
Junior Certificate
Ordinary Level

Past Exam Questions on
PM Functions & Graphing Functions

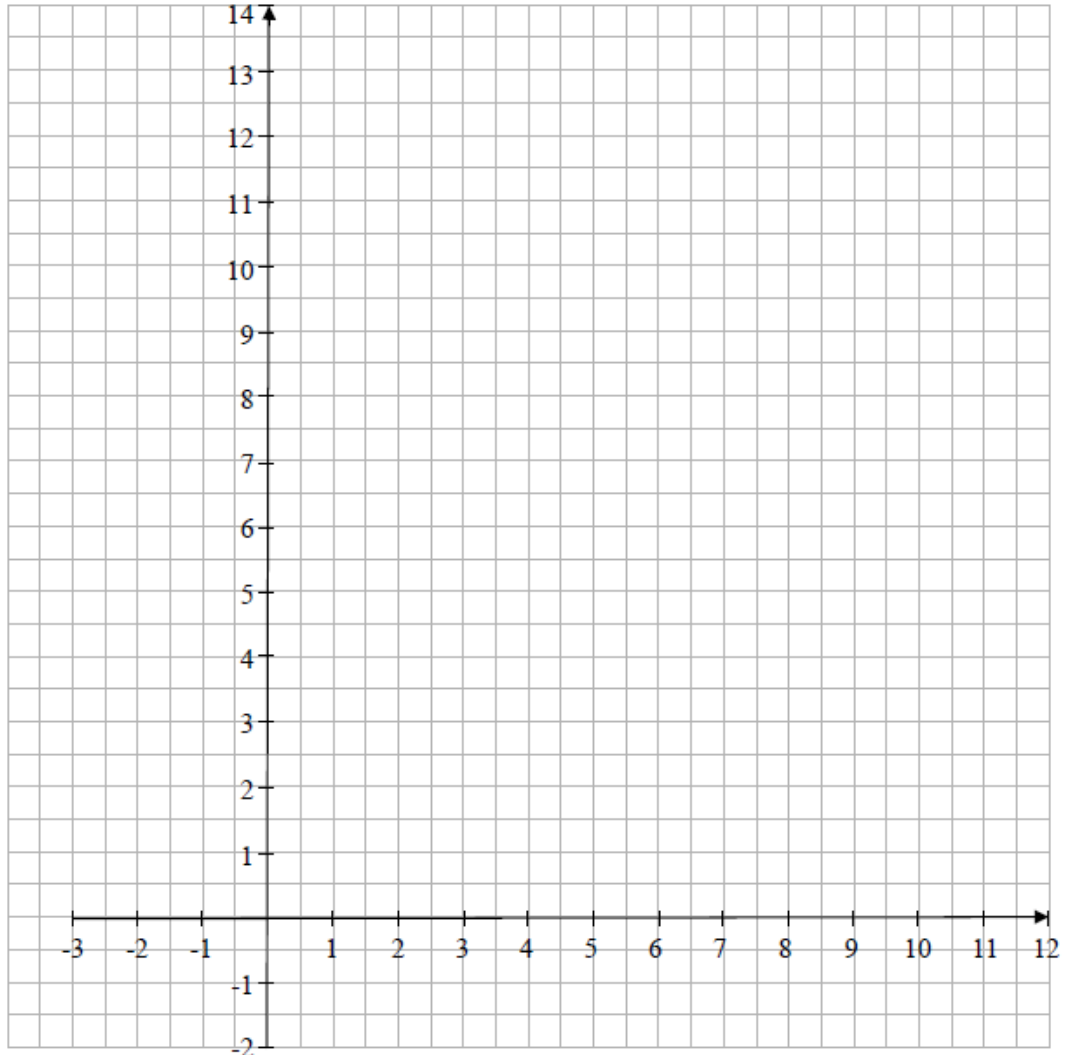
Q13 2013 Paper 1 Section A

Question 13

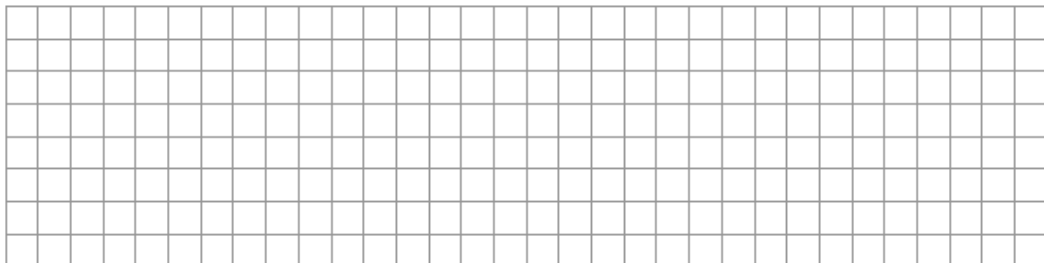
(Suggested maximum time: 5 minutes)

$\{(2, 4), (3, 6), (4, 8), (5, 10)\}$ are four couples of a function f .

(a) Plot the four couples.



(b) The function f is derived from a rule. Suggest a rule for f .



(c) On your diagram in (a), plot and label two other couples which could be got from the same rule.

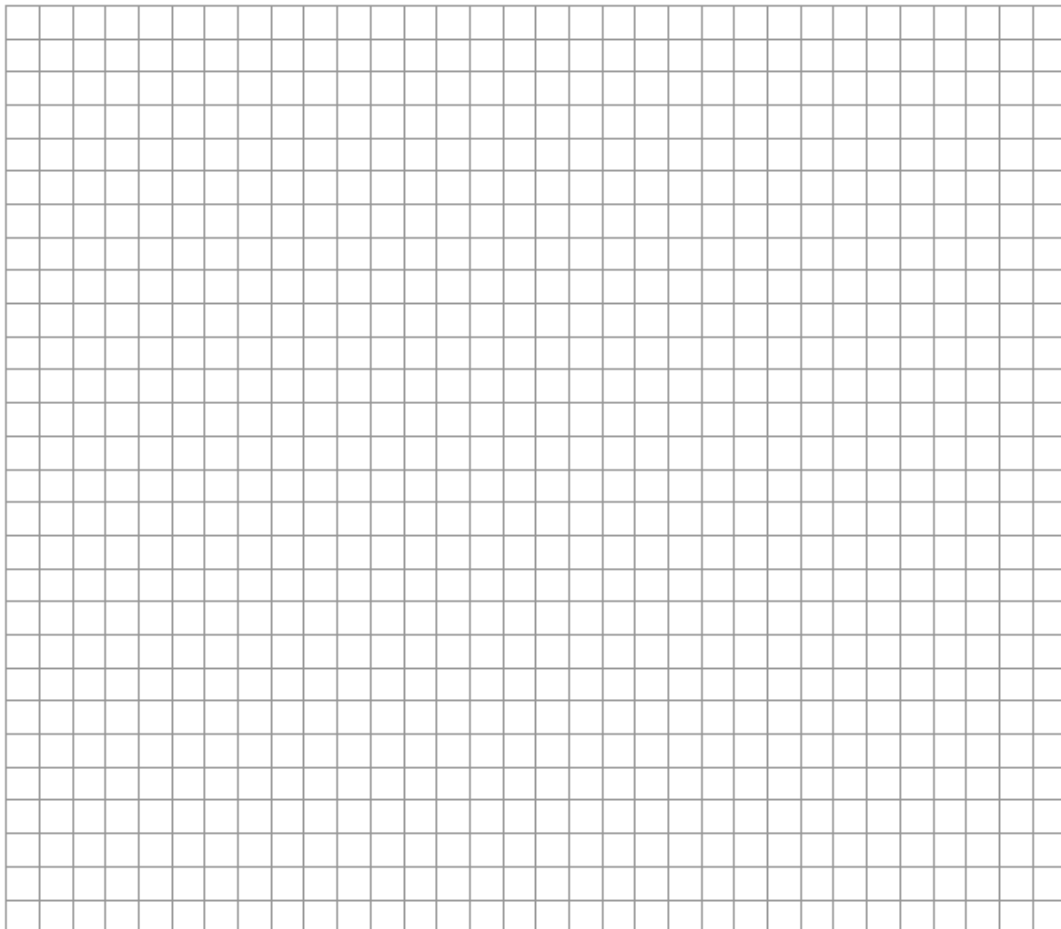
Q14 Part A 2013 paper 1 Section A

Question 14

(Suggested maximum time: 15 minutes)

- (a) Complete the following table for the function $f : x \mapsto x^2 - 3x - 2$ in the domain $-2 \leq x \leq 4$.

x	$f(x)$	$(x, f(x))$
-2	8	$(-2, 8)$
-1		
0		
1		
2		
3		
4		



Q14 Part (b) 2013 Paper 1 Section A

- (b) Using the values obtained in (a), draw the graph of the function $f : x \mapsto x^2 - 3x - 2$ in the domain $-2 \leq x \leq 4$, $x \in \mathbb{R}$.

