



*Rewarding Learning*

**General Certificate of Secondary Education  
2010**

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**Additional Mathematics**

Paper 1  
Pure Mathematics

[G0301]

**MONDAY 17 MAY, AFTERNOON**

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G0301

71

Candidate Number

StudentBounty.com

1 (i) Sketch the graph of  $y = 2 \sin x$  on the axes in Fig. 1 below.

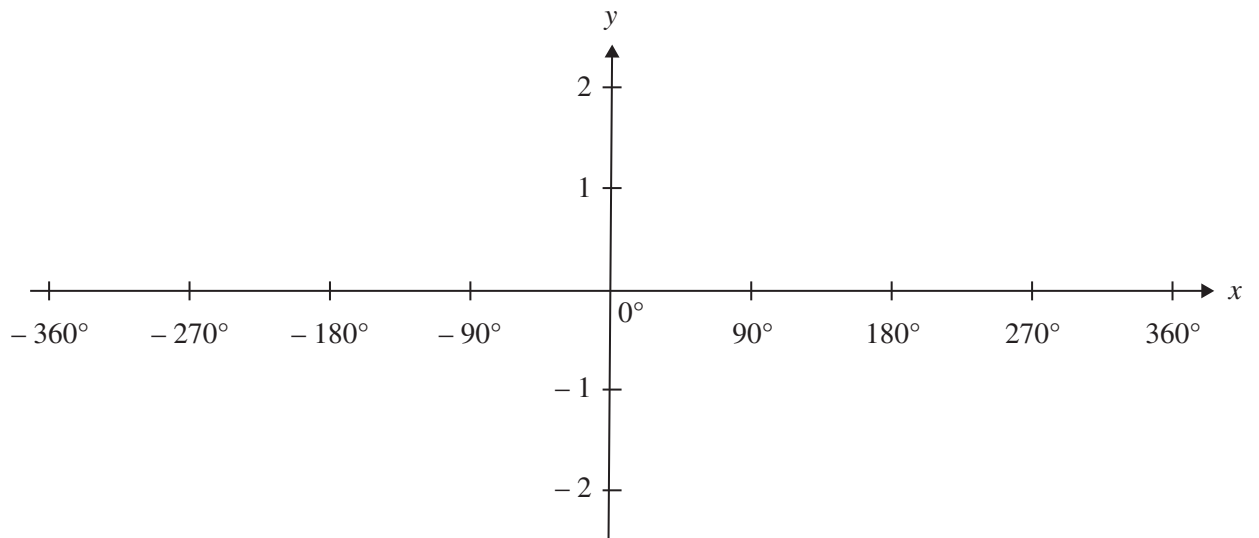


Fig. 1

(ii) Sketch the graph of  $y = \sin \left(\frac{1}{2}x\right)$  on the axes in Fig. 2 below.

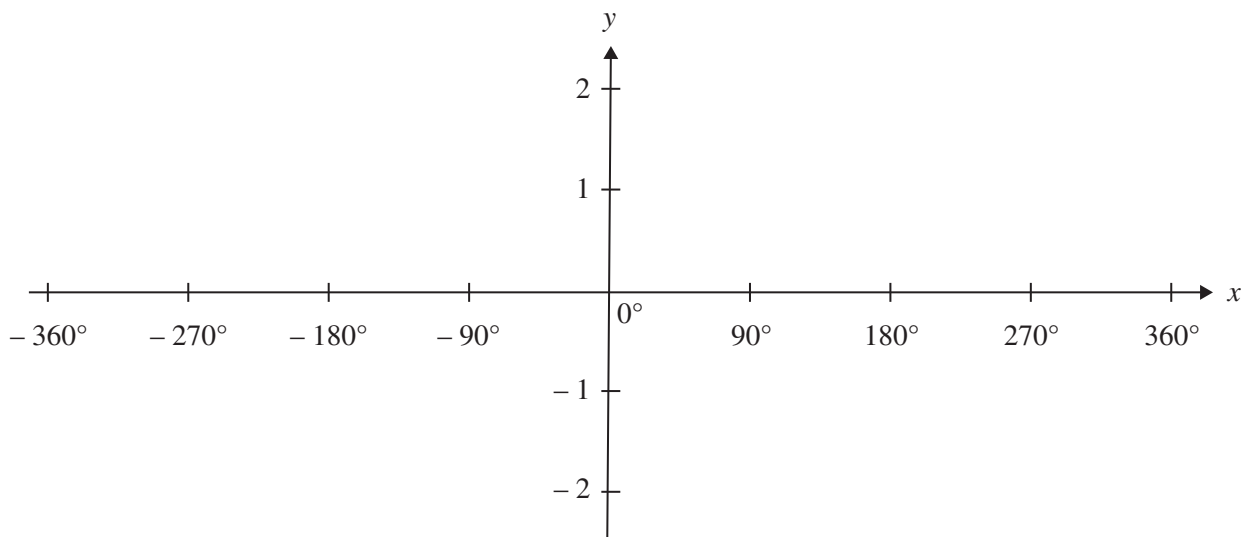
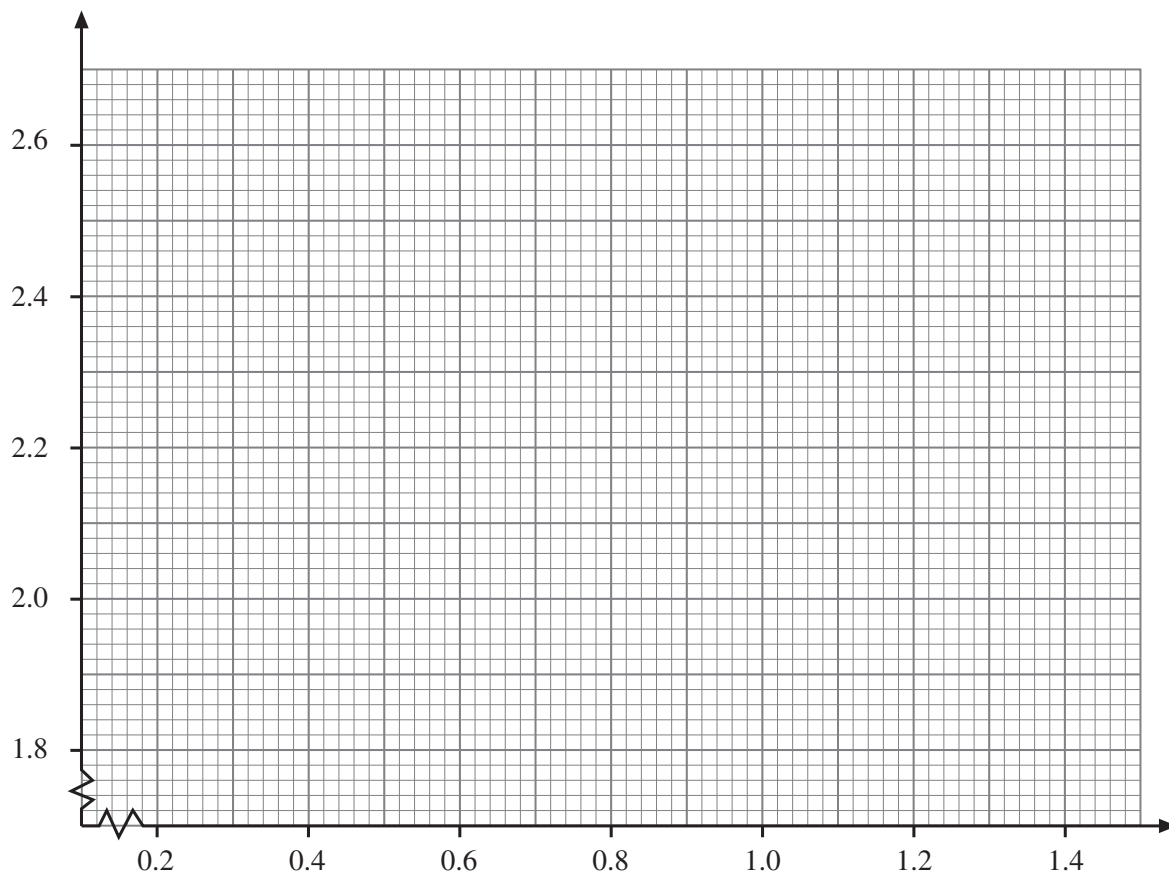


Fig. 2

- 9 Draw a suitable straight line graph using the axes and scales in **Fig. 5** below.  
**Label the axes.**



**Fig. 5**

11 Sketch the graph of  $y = 14x + 3x^2 - 2x^3$  in Fig. 6.

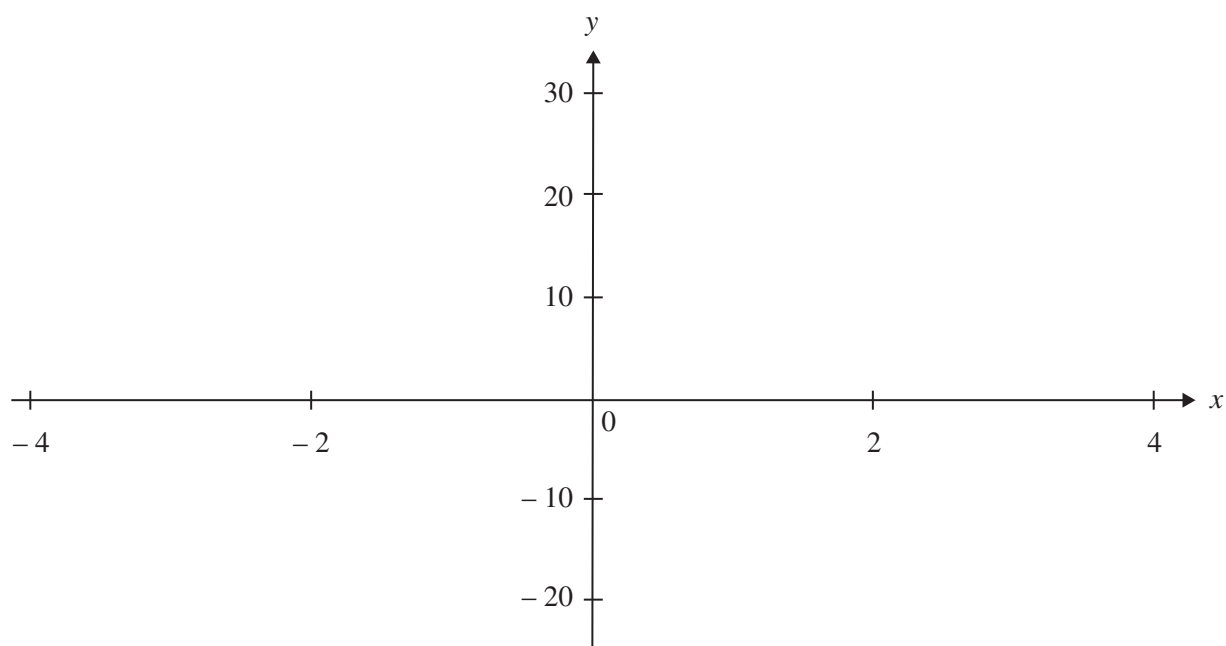


Fig. 6







