

AQA, OCR, Edexcel

GCSE

GCSE Maths

Graph Transformations, Y Shifts
and Stretches Questions

Name:

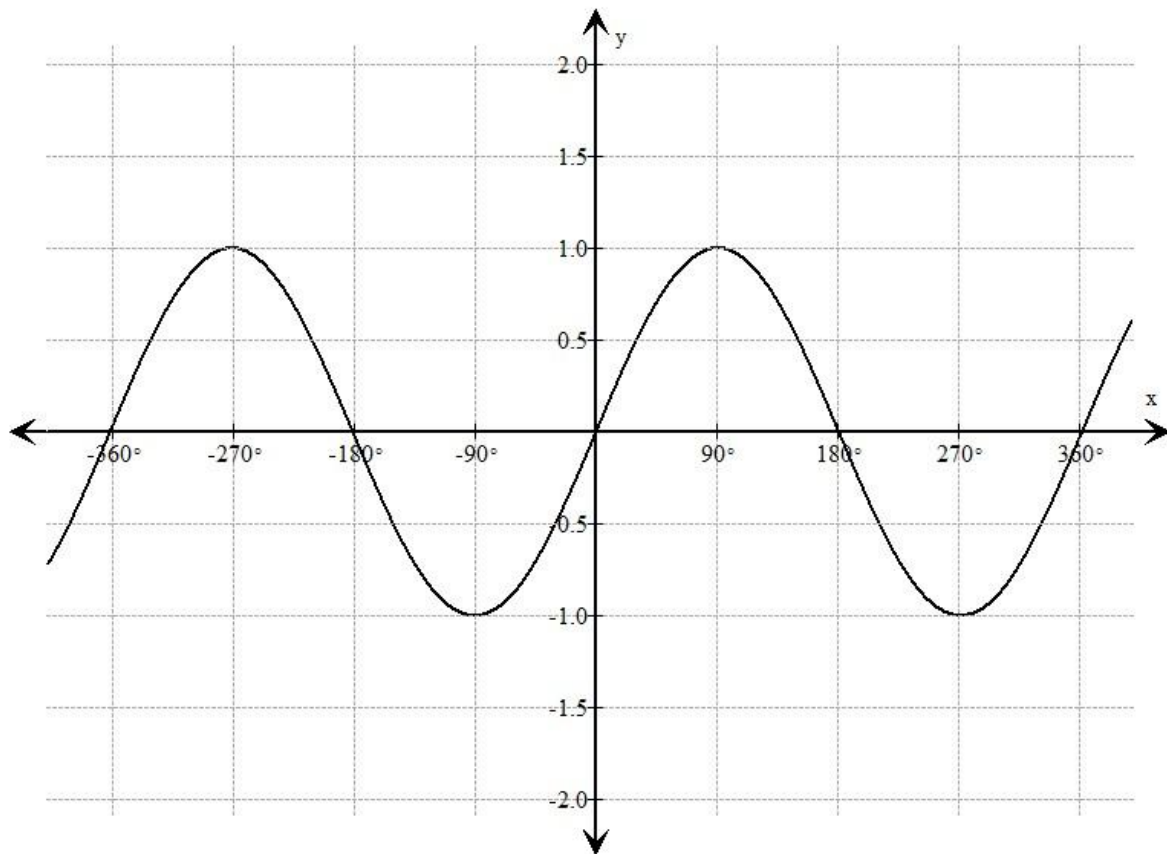
M M E

Mathsmadeeasy.co.uk

Total Marks: /12

Graph Transformations y-Stretch, y-shift

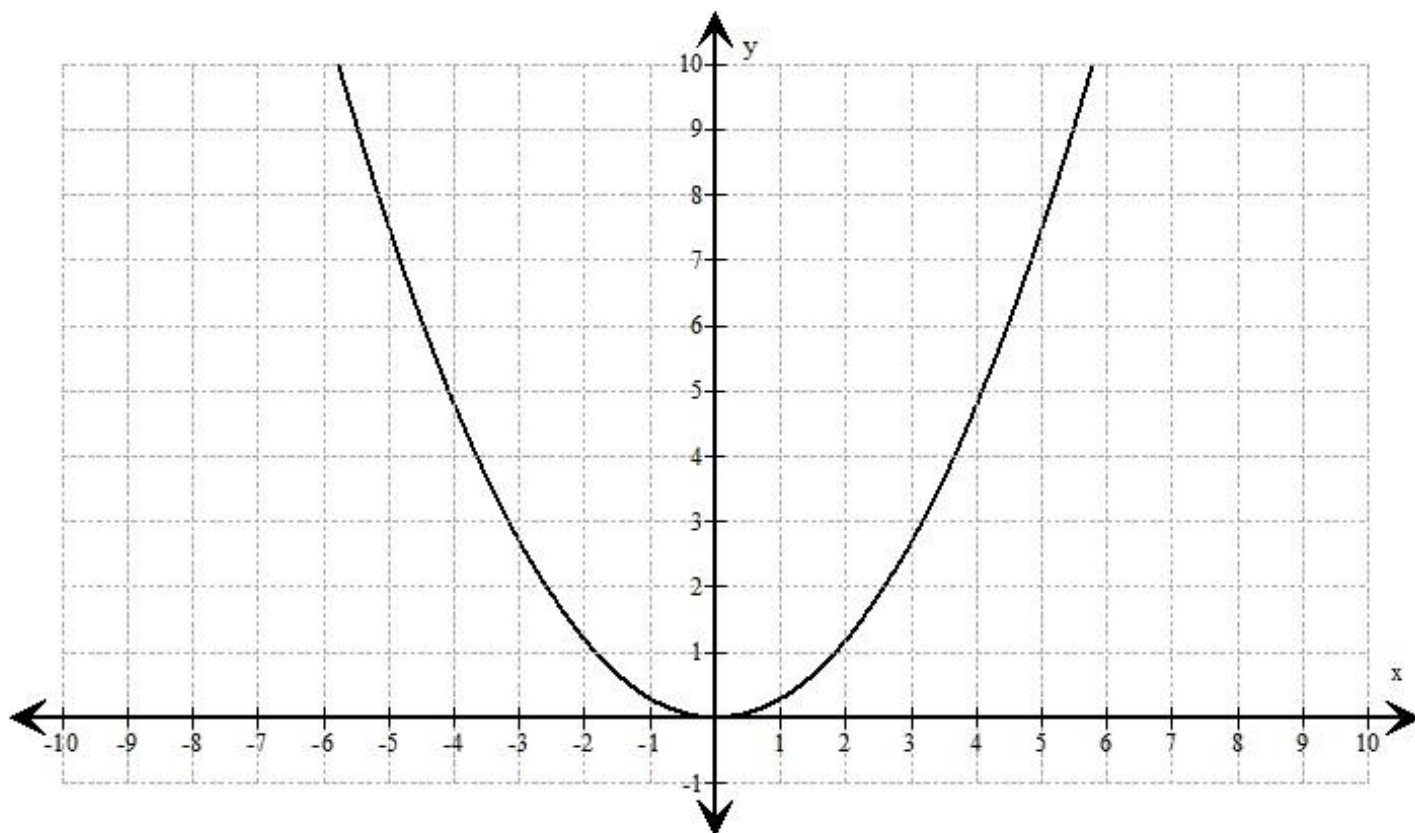
1. The graph of $y = \sin(x)$ is plotted below. Sketch the following transformations of $\sin(x)$ on the same set of axes.
 - a. $y = \frac{1}{2}\sin(x)$
 - b. $y = \sin(x) - 1$
 - c. $y = 2\sin(x)$



(6 marks)

2. The graph of $y = f(x)$ is plotted below. Sketch the following transformations of $f(x)$ on the same set of axes.

- a. $y = 2f(x)$
- b. $y = f(x) + 5$
- c. $y = \frac{1}{3}f(x)$



(6 Marks)