AQA, OCR, Edexcel

GCSE

GCSE Maths

Graph Transformations, Y Shifts and Stretches Answers

Name:



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Total Marks: /12

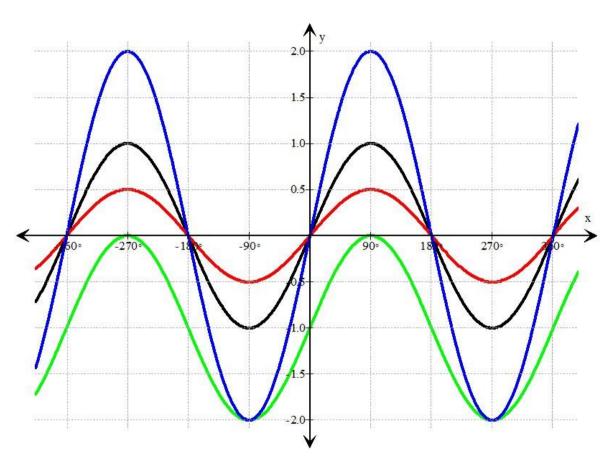
Graph Transformations y-Stretch, y-shift

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.
$$y = 2\sin(x)$$



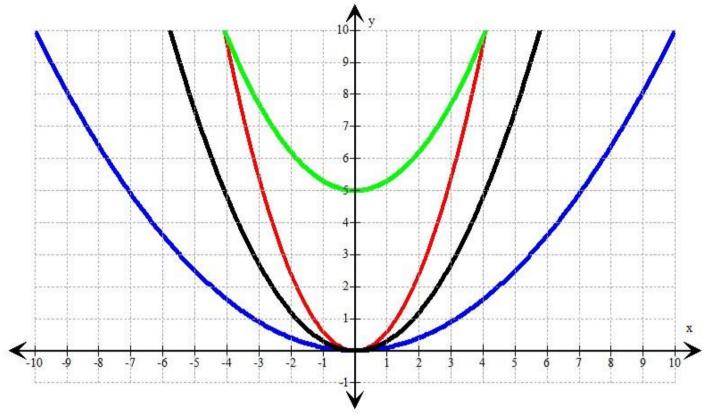
(6 marks)

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)