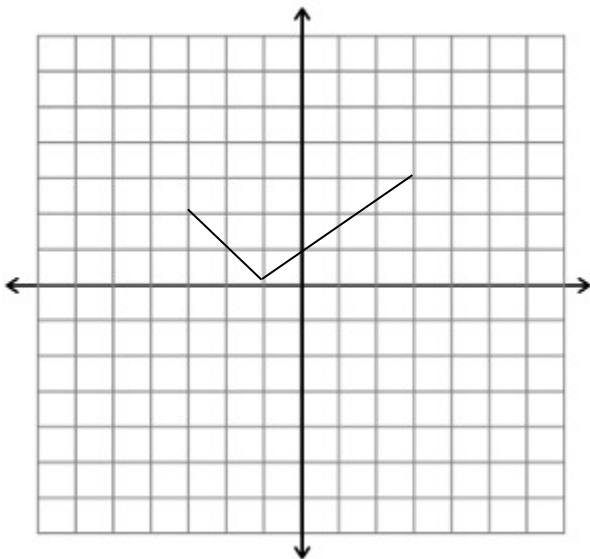1.
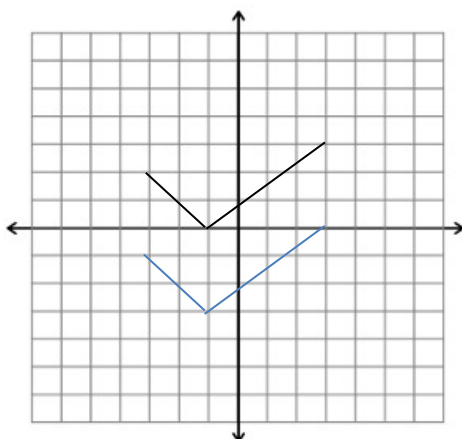

The graph of $y = f(x)$ for $-3 \le x \le 3$ is shown above.

(a) Sketch the graph of $y = f(x) - 3$. (2 marks)

(b) Sketch the graph of $y = f(-x)$. (2 marks)
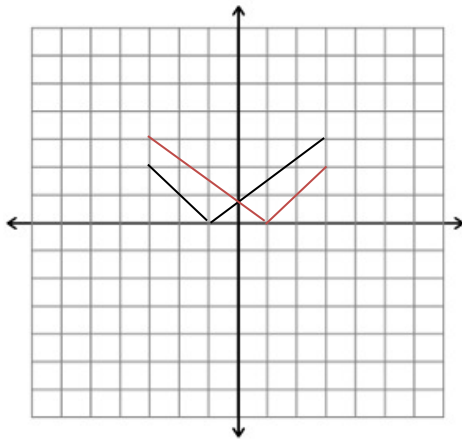
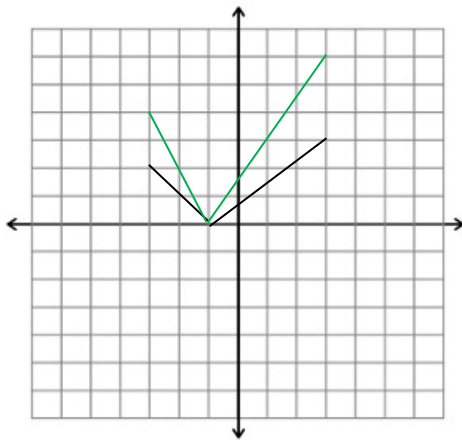(c) Sketch the graph of $y = 2f(x)$. (2 marks)

Mark scheme:

(a) (A2)

(b)

(A2)

(c)

(A2)