Domain and range of a function

Answers

GCSE Maths topic practice

This topic online

Q	Answer	Marks
1	**a)** 8 **b)** -13	2
2	x = 6	1
3	{0, 3, 8, 15}	2
4	**a)** $x \geq 4$ **b)** x = -1.5 (accept x = -3/2)	3
5	$-5 \leq f(x) \leq 10$ (accept $-5 \leq y \leq 10$)	2
6	x = 4 or x = -4	2
7	$0 \leq f(x) \leq 9$ (accept $0 \leq y \leq 9$)	2
8	**a)** 5 **b)** g(x) > 0 (accept y > 0)	3
9	**a)** $2(x - 3)^2 - 13$ **b)** $f(x) \geq -13$ (accept $y \geq -13$)	4
10	**a)** $f(x) \geq 3$ (accept $y \geq 3$) **b)** $x \geq 3$ **c)** $f^{-1}(x) \geq 0$ (accept $y \geq 0$)	4

Full worked solutions, written out by hand, are on the solutions sheet for this topic.

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