	Functions – The Basics Mark Scheme	
1(a)	10	[1]
1(b)	10	[1]
1(c)	-3	[1]
1(d)	-500	[1]
1(e)	20	[1]

2

Input	Answer
$f(2)$	9
$f(3)$	12
$f(-3)$	-6
$f(0)$	3
$f(a)$	$3a + 3$

[1] For 2 correct answers

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3

Input	Output
$f(-1)$	1
$f(4)$	31
$f(2)$	7
$f(-b)$	$2b^2 - 1$
$f(1)$	1

[1] For 2 correct answers

[1] For all 5 correct answers

4(a)	$f(3) = 4$	[1]
4(b)	$f(0) = 25$	[1]
4(c)	$(x - 5)^2 = 0$	[1] Formation of equation
	$x = 5$	[1] Correct answer
5(a)	10	[1]
5(b)	-1	[1]
5(c)	$\dfrac{x^2 + 11}{5} = 12$	[1] Formation of equation
	$x = \pm 7$	[1] Correct answer
5(d)	$-5(x - 2)^2 = -5$	[1] Formation of equation
	$x = 3$ and $x = 1$	[1] Correct answer

END