

Q1. (2023)

Q	Answer	Mark	Comments
13(a)	$(y =) ax + b$ and $(y =) ax + 2a + b$	B2	any letter for x other than a or b or y B1 $(y =) ax + b$ or $(y =) a(x + 2) + b$ or $(y =) ax + 2a + b$ or substitution of two values for x with a difference of 2 and correct working to show that the output increases by $2a$ eg substituting $x = 3$ and $x = 5$ to get $3a + b$ and $5a + b$
	Additional Guidance		
	Allow xa for ax throughout		
	Do not allow $a \times x + b$ for $ax + b$ unless recovered		
	Allow, eg $(x + 2) \times a + b$ for $a(x + 2) + b$		
	Do not allow missing brackets unless recovered eg do not allow $x + 2 \times a$ for $a(x + 2)$		
	Do not accept written answers without the necessary algebra eg The input has increased by 2 and will then be multiplied by a , so the output will increase by $2a$		B0
	Ignore further non-contradictory work if B2 awarded		