Q1. (2017)

(A)

7(a)	10	B1	

(B)

7(a)	10	B1	

7(b)	–14	B1	

Q2. (2018)

21	$f = \frac{e}{2}$	B1	
	Additional Guidance		

Q3. (2022)

Q	Answer	Mark	Comments
12(b)	8 × 25 or 200 or 25^2 or 625	M1	oe
	8 × 25 or 200 and $25^2 - b$ or $625 - b$ **or** $25^2 - 8 \times 25$ or $625 - 200$	M1dep	oe may be seen in an equation
	425	A1	
	Additional Guidance		
	Embedded answer		M1M1A0

Q4. (2023)

Q	Answer	Mark	Comments
12(a)	Pair of numbers satisfying all criteria	B2	B1 pair of numbers satisfying two criteria eg $c = 20$ $d = 14$ or $c = 7$ $d = 0$
	Additional Guidance		
	c and d can be decimals eg $c = 8.6$ $d = 2.6$		B2
	Correct integer values for B2 $c = 9$ $d = 3$ $c = 8$ $d = 2$ $c = 7$ $d = 1$ $c = 6$ $d = 0$ $c = 5$ $d = -1$		
	Examples of correct integer values for B1 $c = 10$ $d = 4$ $c = 4$ $d = -2$		

Q5. (2023)

Q	Answer	Mark	Comments
12(b)	Pair of numbers satisfying all criteria	B2	eg $w = 1.9$ $x = 0.7$ B1 pair of numbers satisfying two criteria eg $w = 1.6$ $x = 1$ or $w = 2.4$ $x = 0.2$ or $w = 1.4$ $x = 0.9$ SC1 pair of numbers with a sum of 2.6 satisfying neither inequality
	Additional Guidance		
	$w = 0.7$ $x = 1.9$		SC1