Q1. (2020)

Q	Answer	Mark	Comments
16	$\frac{4}{11} \times 22$ or 8 or $\frac{40}{100} \times 5$ or 2 or $22 \times 7 \times 5$ or 770 or $\frac{4}{11} \times \frac{40}{100}$ or $\frac{160}{1100}$ or $\frac{8}{55}$	M1	oe accept $\frac{8}{22}$ for 8 accept $\frac{2}{5}$ for 2
	$\frac{4}{11} \times 22 \times 7 \times \frac{40}{100} \times 5$ or $8 \times 7 \times 2$	M1dep	oe eg $\frac{4}{11} \times \frac{2}{5} \times 770$ or $\frac{8}{55} \times 770$ or $\frac{8}{22} \times \frac{7}{7} \times \frac{2}{5}$ or $\frac{112}{770}$
	112	A1	allow 112 out of 770
	Additional Guidance		
	$\frac{112}{770}$		M1M1A0
	$\frac{8}{55}$ from $\frac{112}{770}$		M1M1A0
	$\frac{8}{55}$ from $\frac{4}{11} \times \frac{2}{5}$ (×1)		M1M0A0
	Allow [0.36, 0.364] for $\frac{4}{11}$ eg $0.36 \times 22 = 7.92$ (allow 7 if method seen) $7.92 \times 7 \times 2$ (or $7 \times 7 \times 2$)		M1 M1A0

Q2. (2023)

(A)

Q	Answer	Mark	Comments
22(a)	$(x_2 =)$ 4.1(0…)	B1	
	$(x_3 =)$ [4.176, 4.178] or 4.18	B1ft	ft their 4.1(0…) rounded to at least 2 dp SC1 $x_2 =$ [4.176, 4.178] or 4.18
	Additional Guidance		
	Allow second B1 for $x_3 = 4.2$ with acceptable answer seen in working		
	$x_2 = 7.8$ $x_3 = 6.59$		B0 B1ft
	SC1 is for using $x_0 = 4$		

(B)

Q	Answer	Mark	Comments
22(b)	$4.25 <$ value $\leqslant 4.39$	B1	ignore any iteration number
	Additional Guidance		
	Ignore other values if B1 response seen		

Q3. (2024)

Q	Answer	Mark	Comments
22	4.791	B3	B2 [4.789, 4.7913] B1 4 or 4.75
	Additional Guidance		
	Ignore values written as fractions		
	Ignore the suffixes		