

Q1. (2017)

14	$x < -2$ or $-2 > x$	B1	
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Q2. (2021)

Question	Answer	Mark	Comments
8(b)	$2 \leq x < 5$ or $5 > x \geq 2$	B2	any letter B1 $2 \leq x$ or $x \geq 2$ or $x < 5$ or $5 > x$ SC1 $2 < x \leq 5$ or $5 \geq x > 2$
	Additional Guidance		
	$2 \leq x$ and $x < 5$		B1
	$2 \leq x$ and $x > 5$		B1
	$2 \leq x > 5$		B1
	$2 \leq x \leq 5$		B1
	$2 \leq x \leq 4$		B1
	$2 < x < 5$		B1
	$2 \geq x > 5$		B0
	$2 \leq 5$		B0

Q3. (2023)

Q	Answer	Mark	Comments
16	Alternative method 1 – equates coefficients and eliminates an unknown		
	$8x - 20y = 52$ and $15x + 20y = 40$ or $6x - 15y = 39$ and $6x + 8y = 16$	M1	oe equates coefficients of one unknown allow one term error
	$8x + 15x = 52 + 40$ or $23x = 92$ or $-15y - 8y = 39 - 16$ or $-23y = 23$	M1dep	oe eliminates an unknown must be correct for their equations
	$x = 4$ and $y = -1$	A2	A1 $x = 4$ from correct method or $y = -1$ from correct method
	Alternative method 2 – substitutes for x		
	$x = 6.5 + 2.5y$ or $x = \frac{8}{3} - \frac{4}{3}y$	M1	oe makes x the subject of one equation allow one term error
	$3(6.5 + 2.5y) + 4y = 8$ or $11.5y = -11.5$ or $2(\frac{8}{3} - \frac{4}{3}y) - 5y = 13$ or $-\frac{23}{3}y = \frac{23}{3}$	M1dep	oe eliminates x must be correct for their rearrangement
	$x = 4$ and $y = -1$	A2	A1 $y = -1$ from this method

Question 16 continues on the next page

16 cont	Alternative method 3 – substitutes for y		
	$y = 0.4x - 2.6$ or $y = 2 - 0.75x$	M1	oe makes y the subject of one equation allow one term error
	$3x + 4(0.4x - 2.6) = 8$ or $4.6x = 18.4$ or $2x - 5(2 - 0.75x) = 13$ or $5.75x = 23$	M1dep	oe eliminates y must be correct for their rearrangement
	$x = 4$ and $y = -1$	A2	A1 $x = 4$ from this method
	Alternative method 4 – makes the same unknown the subject in both equations		
	$x = 6.5 + 2.5y$ or $x = \frac{8}{3} - \frac{4}{3}y$ or $y = 0.4x - 2.6$ or $y = 2 - 0.75x$	M1	oe makes y or x the subject of one equation allow one term error
	$6.5 + 2.5y = \frac{8}{3} - \frac{4}{3}y$ or $\frac{23}{6}y = -\frac{23}{6}$ or $0.4x - 2.6 = 2 - 0.75x$ or $1.15x = 4.6$	M1dep	oe makes y or x the subject of both equations (maximum one term error) and eliminates y or x must be correct for their rearrangements
	$x = 4$ and $y = -1$	A2	A1 $x = 4$ from correct method or $y = -1$ from correct method
	Additional Guidance		
	Up to M2 may be awarded for correct work seen in multiple attempts, even if not subsequently used		
	In alts 2, 3 and 4 allow rounding or truncating to 1dp or better for up to M1M1 eg (Alt 4) $6.5 + 2.5y = 2.7 - 1.3y$		M1M1
	Answers from trial and improvement or with no working score 0 or 4		