Question	Scheme	Marks
2(a)	$2(x+1)<5x-2 \Rightarrow 2x+2<5x-2 \Rightarrow 3x>4 \Rightarrow x>\frac{4}{3}$	M1A1 [2]
(b)	$3x^2-x-10=0 \Rightarrow (3x+5)(x-2)=0 \Rightarrow x=-\frac{5}{3}, 2$ $'-\frac{5}{3}' \leqslant x \leqslant '2'$ allow $'-\frac{5}{3}' < x < '2'$ $-\frac{5}{3} \leqslant x \leqslant 2$	M1 dM1 A1 [3]
(c)	$"\frac{4}{3}" < x \text{ '}\leqslant\text{'} "2"$	B1ft [1]
		Total 6 marks

Part	Mark	Notes
(a)	M1	Attempts to solve the inequality with no more than one arithmetical error.
	A1	For the correct inequality.
(b)	M1	For attempting to solve the QE to find **two** critical values.
	For the dM and A marks allow any acceptable notation. For example; $-\frac{5}{3} \leqslant x \cap x \leqslant 2$ or, $-\frac{5}{3} \leqslant x$ **and** $x \leqslant 2$ The region must however indicate an INSIDE region	
	dM1	Forms an inside region with **their** cv's This mark is dependent on the first M mark in (b)
	A1	For the correct region with the correct inequalities.
(c)	B1ft	For the correct combined inside region. Penalise the incorrect inequality from part (b) $<$ in place of $\leqslant$ only once. Even if the **correct** inequality does not follow from their work, award this mark.