

Question Number	Scheme	Marks
2(a)	$x \leq -1$	B1 (1)
(b)	$8x^2 + 10x - 3 (< 0)$ $(4x - 1)(2x + 3) (< 0)$ $x = \frac{1}{4} \quad x = -\frac{3}{2}$ $-\frac{3}{2} < x < \frac{1}{4}$	M1 A1A1 A1ft (4)
(c)	$-\frac{3}{2} < x \leq -1$	B1 (1)
		[6]
(a) B1	For $x \leq -1$	
(b) NB M1 A1 A1 A1ft	Accept decimals in (b) and (c) The first 3 marks are for finding the critical values. Allow with $<$ or $=$ used. Attempt to obtain the critical values by solving their 3TQ by any valid method. Either CV correct Second CV correct. Award these 2 marks if correct CVs seen in an inequality. Inequality formed to indicate the values between their CVs. Must use $<$ (Can be written in set language).	
NB	If CVs incorrect and only shown in the inequality, award 0/4 if no working shown for solving their 3TQ: if working shown M1A0A0A1 is available.	
(c) B1	For $-\frac{3}{2} < x \leq -1$ (no ft)	