

Question	Scheme	Marks	AOs
2	$3x^2 - 7x - 10 > 0 \Rightarrow (3x - 10)(x + 1) > 0 \Rightarrow \text{CVs} = -1, \frac{10}{3}$	M1	1.1b
	Attempts the outside region: $x < "-1"$ and $x > "\frac{10}{3}"$	M1	1.1b
	e.g. $\{x : x < -1\} \cup \left\{x : x > \frac{10}{3}\right\}$	A1	2.5
		(3)	

(3 marks)

Notes

M1: Attempts to find the critical values for the quadratic inequality by factorising, completing the square or quadratic formula (an algebraic method). They cannot just state the roots.

M1: Attempts the outside region for their two critical values. Condone $\leq \geq$ signs for this mark. Also condone incorrect combining of the inequalities such as $"\frac{10}{3} < x < "-1"$

A1: $\{x : x < -1\} \cup \left\{x : x > \frac{10}{3}\right\}$ or equivalent using set notation.

Note $\{x : x < -1\} \cup \left\{x : x > \frac{10}{3}\right\}$ with no working scores M0M1A0