Question	Working	Answer	Mark	Notes
22	$(6x - 5)(x + 7)(=0)$ **or** $\frac{-37 \pm \sqrt{37^2 - 4 \times 6 \times -35}}{2 \times 6}$ $6\left[\left(x + \frac{37}{12}\right)^2 - \left(\frac{37}{12}\right)^2\right]$... oe		3	M1 A correct method to solve the quadratic equation $6x^2 + 37x - 35(= 0)$ using any correct method (if factorising, allow brackets which expanded give 2 out of 3 terms correct) (if using formula allow one sign error in substitution and some simplification – allow as far as $\frac{-37 \pm \sqrt{1369 + 840}}{12}$) or completing the square as far as shown on left
	$\frac{5}{6}$ oe **and** -7			A1 dep on M1 correct critical values (allow 0.83…)
	Working must be seen for both accuracy marks as asked for in question	$-7 \le x \le \frac{5}{6}$		A1 dep on M1 oe eg $-7 \le x \le 0.83\ldots$, $\left[-7, \frac{5}{6}\right]$ Accept $x \le \frac{5}{6}$, $x \ge -7$
				Total 3 marks