Question	Answer	Marks	Partial Marks
1	$4x + 9 = 6 - 5x$ oe or $4x + 9 = 5x - 6$ oe	**M1**	
	$x = -\frac{1}{3}$, $x = 15$ mark final answer	**A2**	not from wrong working; no extras **A1** for $x = 15$ ignoring extras implies M1 if no extras seen If M0 then **SC1** for any correct value with at most one extra value
	Alternative method: **M1** for $(4x + 9)^2 = (6 - 5x)^2$ oe soi		
	A1 for $9x^2 - 132x - 45 = 0$ oe		
	A1 for $x = -\frac{1}{3}$, $x = 15$ only; mark final answer		
2	Uses $b^2 - 4ac$ with at most one error in substitution: $(-3(k+1))^2 - 4(k)(25) * 0$	**M1**	
	$9k^2 - 82k + 9 * 0$	**A1**	
	Factorises or solves *their* 3-term quadratic	**M1**	
	$k = \frac{1}{9}$ or 9; mark final answer	**A1**	
3(a)	$a = 2$, $b = 1$, $c = -1$	**B2**	**B1** for any two correct
3(b)	Finds three correct critical values: −1.5 to −1.4 inclusive −0.4 0.8 to 0.9 inclusive	**B1**	
	A correct pair of inequalities	**B2**	**B1** for either inequality correct