

7	Clearly states that equal roots $\Rightarrow b^2 - 4ac = 0$	AO2.4	B1	$\therefore b^2 - 4ac = 0$ for equal roots $k^2 - 4(2k - 3)(k - 1) = 0$ $7k^2 - 20k + 12 = 0$ $k = \frac{6}{7}, k = 2$
	Forms quadratic expression in k (allow one error)	AO1.1a	M1	
	Obtains correct quadratic equation in k (PI by correct values for k)	AO1.1b	A1	
	Obtains correct values for k for 'their' quadratic equation	AO1.1b	A1F	
	Total		4	