

Q	Marking instructions	AO	Marks	Typical solution
7				
	Simplifies $\sqrt{8n}$ to $2\sqrt{2n}$	1.1b	B1	$\frac{3 + \sqrt{8n}}{1 + \sqrt{2n}}$
	Multiplies by $\frac{1 - \sqrt{2n}}{1 - \sqrt{2n}}$ or $\frac{\sqrt{2n} - 1}{\sqrt{2n} - 1}$	1.1a	M1	$= \frac{3 + \sqrt{8n}}{1 + \sqrt{2n}} \times \frac{1 - \sqrt{2n}}{1 - \sqrt{2n}}$ $= \frac{3 - 3\sqrt{2n} + \sqrt{8n} - \sqrt{16n^2}}{1 - 2n}$
	Obtains correct single fraction with denominator of $1 - 2n$ or $2n - 1$	1.1b	A1	$= \frac{3 - 3\sqrt{2n} + 2\sqrt{2n} - 4n}{1 - 2n}$
	Completes reasoned argument to obtain $\frac{4n - 3 + \sqrt{2n}}{2n - 1}$ AG Condone eg $\sqrt{8n}$ or $\sqrt{2n}$ except if seen on their final line.	2.1	R1	$= \frac{3 - \sqrt{2n} - 4n}{1 - 2n}$ $= \frac{4n - 3 + \sqrt{2n}}{2n - 1}$
	Question 7 Total		4	