19	$\frac{6}{3-\sqrt{7}}\times\frac{3+\sqrt{7}}{3+\sqrt{7}}$ or $\frac{6}{3-\sqrt{7}}\times\frac{-3-\sqrt{7}}{-3-\sqrt{7}}$			M1
	$\frac{6(3+\sqrt{7})}{3^2-7}$ **or** $\frac{6(3+\sqrt{7})}{2}$ **or** $\frac{6(-3-\sqrt{7})}{-3^2+7}$ **or** $\frac{6(-3-\sqrt{7})}{-2}$			M1 (numerator may be expanded or denominator may be 4 terms which need to be all correct)
		$9+3\sqrt{7}$	3	A1 dep on M2 for $9+3\sqrt{7}$ **or** $3(3+\sqrt{7})$ from correct working
				Total 3 marks

20	$\sqrt{\frac{300}{108}}$ **or** $\sqrt{\frac{108}{300}}$ **or** $\sqrt{\frac{25}{9}}$ oe **or** $\sqrt{\frac{9}{25}}$ oe **or** $\left(\frac{300}{108}\right)^3=\left(\frac{V}{135}\right)^2$ oe			M1 for a correct linear scale factor (fraction or ratio) **or** for the use of $\left(\frac{A_1}{A_2}\right)^3=\left(\frac{V_1}{V_2}\right)^2$
	$135\times\left(\sqrt{\frac{300}{108}}\right)^3$ oe **or** $\sqrt{\frac{300^3}{108^3}\times135^2}$ **or** $\sqrt{390625}$			M1
		625	3	A1
				Total 3 marks