Question Number	Answer	Mark
11	Use of $g = \frac{GM}{r^2}$ (1) $R_m = 3.4 \times 10^6$ m (1) <u>Example of calculation</u> $g = \frac{GM}{r^2} \therefore r = \sqrt{\frac{GM}{g}}$ $\frac{R_m}{R_E} = \sqrt{\frac{M_m}{M_E} \times \frac{g_E}{g_m}}$ $\therefore R_m = 6.37 \times 10^6 \text{ m} \times \sqrt{\frac{1}{9.3} \times 2.6} = 3.37 \times 10^6 \text{ m}$	**2**
	Total for question 11	**2**