1 Dummy question

(a) Show that, under the action of gravity alone, the scale size of the Universe varies according to

$$\ddot{R} = -\frac{4\pi G \rho_0}{3R^2}.$$

Is $\ddot{R} = \frac{d^2R}{dt^2} > 10 \text{ au s}^{-2}$?

Solution: This can be solved by remembering the answer.

(b) Explain the nature of being.

Solution: Om.

[Total: 20 OK]