(11) as:
$$\frac{GMM}{9R^2} + \frac{G4M.m}{9R^2} \cdot \frac{1}{m} = \frac{GMM+4M}{9R^2} \cdot \frac{5Gm}{9R^2}$$

$$= 0.77 \text{ m/s}^2$$

14.
$$E_{i} = \left(\frac{G_{i}}{d^{i}}\right) + \left(-\frac{G_{i}}{G_{i}}\right)$$

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(对人中的下海)

(d)
$$u = -\frac{G \, \text{nm}}{R} = -8.83 \, \text{m/s}^{-1}$$