2024

(6)

16)

$r_m = 13 \cdot 10^7 (m)$

$r_q = 14 \cdot 10^7 (m)$

$$\frac{G M \cdot \cancel{m}}{r^2} = \cancel{m} g$$

$$\frac{GM}{r^2} = g$$

$$\boxed{g = 8.52 \left(\frac{m}{s^2}\right)}$$

17)

$$g_r \cdot \cancel{m} = \frac{\cancel{m} \cdot M \cdot G}{r^2}$$

$$g_r = \frac{M \cdot G}{r^2}$$

↓