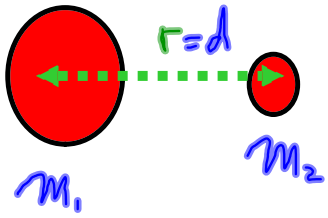
$$F = G\frac{m_1 m_2}{r^2}$$

UNIVERSAL GRAVITATIONAL CONSTANT

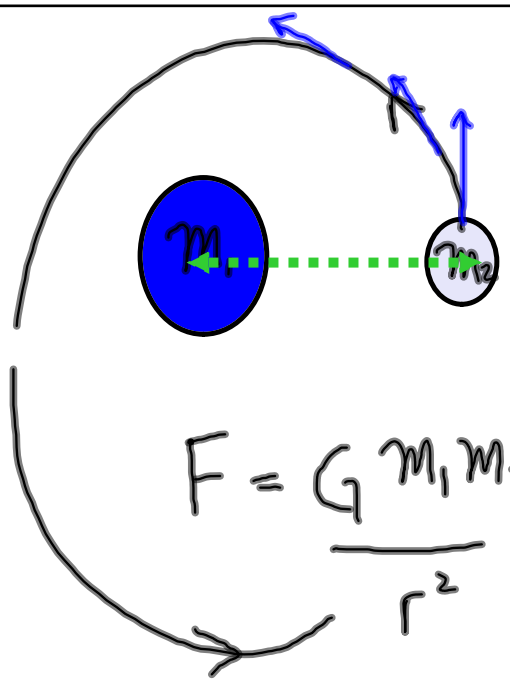


$m_2 = 8.9 \times 10^{22}\,kg$

$m_1 = 50\,kg$

$r = 1815 \times 10^3\,m$

$6.67 \times 10^{-11} \frac{(N)(M^2)}{(KG)^2}$



$$F = G\frac{m_1 m_2}{r^2}$$

$G \neq g = -9.81\ m/s^2$

$6.67 \times 10^{-11}\ N\left(\frac{M^2}{kg^2}\right)$