Gravitational Force Math Help

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

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

What must be the distance between two 0.8 kg blocks if the magnitude of the gravitational force between them is 8.92 x 10^{-11} N?

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

Find the magnitude of gravitational force a 70 kg person would experience while standing on the surface of Mars. (mass = 6.42×10^{23} kg, Radius = 6.42×10^6 m)

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

2 masses are separated by 0.5 meters. If the mass of one of them is 0.6kg and there is a gravitational force of 2.55 x 10^{-10} N between them, what is the mass of the second object?