Useful Astronomical data

Universal gravitational constant (G)	6.67×10^{-11} Nm^2/kg^2
Equatorial radius of Earth	6.38×10^6 m = 3960 mi
Mass of Earth	5.98×10^{24} kg
Diameter of Moon	3.50×10^6 m
Mass of Moon	7.4×10^{22} kg
Average distance of Moon from Earth	3.8×10^8 m
Diameter of Sun	1.4×10^9 m $\approx$ 864,000 mi
Mass of Sun	2.0×10^{30} kg
Average Distance of Earth from Sun	1.5×10^{11} m = 93$\times 10^6$ mi
Mass of Mars	6.39×10^{23} kg
Radius of Mars	3.39×10^6 m