Honors Physics: Gravitation 4	Name:
1.What gravitational attraction does the moon have moon=7.4 x 10 <sup>22</sup> kg, and distance between earth an radius of each for this problem.	e for a 70 kg person on earth? (mass of ad moon is 3.8 x 10 <sup>8</sup> m).Don't worry about the
2. How much does an astronaut weigh on Venus if Venus= $4.88 \times 10^{24}$ kg, radius of Venus= $6.05 \times 10^{6}$	
3. What is the force of gravity on a 1000 kg satellit surface. (Radius of Earth = $6.37 \times 10^6$ m, mass of each	e which is 1000 km above the earth's $arth = 5.98 \times 10^{24} \text{ kg}$
4. Find the acceleration of gravity on the moon of J m and the mass of Io is 7.87 x 10 <sup>22</sup> kg.	Supiter named Io. The radius of Io is 1.7x 10 <sup>6</sup>
5. If the radius of a planet is 7500km and an object weign is located at( Assume g is 18 m/s/s.)	ghs 950n on the surface, what is its weight when it
19km above the surface	401 km above the surface