



- 4) What is the acceleration due to gravity on Neptune? Hint: use information from problem 3
- 5) What is the orbital radius of a satellite of earth, when the satellite is 475,000 m above the earth's surface?
- 6) A 500 N force is applied to a 70 kg object. If its acceleration is  $5 \text{ m/s}^2$ , what was  $u$ ?

Answers: 4)  $13.33 \text{ m/s}^2$  5)  $6.86 \times 10^6 \text{ m}$  6) 0.22