

# Physics 102 - Fall 2009 - Problem Set 8

- ① 16-20, p406 Conc. ex.
- ② 16-24, p406 Conc. ex.
- ③ 16-25, p406 Conc. ex.
- ④ 16-29, p406 Conc. ex.
- ⑤ 16-32, p.406 Conc. ex.
- ⑥ 16-34, p.406 Conc. ex.
- ⑦ 16-4, p407, Problem
- ⑧ 5-14, p111, Conc. ex.
- ⑨ 5-17, p111, Conc. ex.
- ⑩ Calculate your "Weight" on the surface of a neutron star  
Assume a mass 8 times that of the Sun  
and a radius of 10 kilometers.  
Mass of the Sun  $\approx 2 \times 10^{30}$  kg
- ⑪ 18-3, p467
- ⑫ 18-9, p467
- ⑬ 18-12, p467