

Problem Set #4 due beginning of class, Monday, Feb. 11

- 1) Redo your midterm in fine fashion, correction any mistakes. You don't need to do the same problems again you got right. Submit with your original midterm.
- 2) Section 4.0 Exercise 1, collision of rotating bodies – what is the linear analogue for this problem?
- 3) Section 4.1 Example 1, Rotation Direction
- 4) Section 4.2 Exercise 1, Rotation and kinetic energy of two masses
- 5) Section 4.2 Exercise 2, Rotation and linear speed, bicycle problem
- 6) Section 4.3 Exercise 2, Turning a wrench
- 7) Section 4.3 Exercise 4, Pedaling a bicycle
- 8) Section 4.4 Exercise 2, Kinetic energy of two masses
- 9) Section 4.5 Exercise 1, Ranking Several Objects
- 10) Section 4.5 Exercise 2, Rolling Objects up a hill
- 11) Section 4.6 Exercise 2, person on diving board