

PROBLEM SET #3
Due Friday 2nd October 9am

READING: Young and Freedman Chapter 3 §5; Chapter 4 §§1-5.

FORMAT: Please read the instructions on the web page concerning the required format for problem sets.

- 3-1)** Young and Freedman, exercise 3.37, page 101.
- 3-2)** A projectile is fired at angle θ to the horizontal from a toy gun on the floor of an elevator at rest and travels a small distance, d . How far does the projectile travel if it is fired when the elevator is accelerating downward at $g/5$?
- 3-3)** Young and Freedman, exercise 4.14, page 132.
- 3-4)** Young and Freedman, exercise 4.15, page 132.