Physics Mr. Roy

CHAPTER 8 - MOMENTUM
REVIEW SHEET

Physics

1) Definitions
   a) Momentum
   b) Impulse
   c) Conservation of Momentum
   d) Inelastic Collision
   e) Elastic Collision
2) Problems
   a) Simple momentum of an object (Problem # 1)
   b) Collision: Conservation of momentum:
      (1) Finding the average Force or duration (t) of impact using impulse $Ft=\Delta mv$ (Chapter 5 , Section 1)
      (2) Solving for a single variable using momentum equation ($m_1v_{1i} + m_2v_{2i} = m_lv_{lf} + m_2v_{2f}$) (Chapter 5 , Section 2)
      (3) Elastic Collisions: Solving for two variables using combined momentum and kinetic energy eq. ($v_{1i} - v_{2i} = v_{2f} - v_{1f} = -(v_{fI} - v_{f2})$) (We'll do this at the end of next Chapter.)
      (4) Collision of equal mass objects.
3) Theory Essays