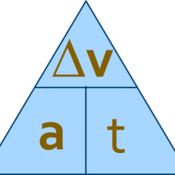
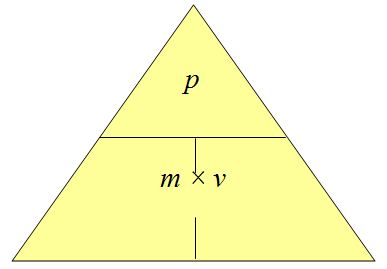
9.2 (p. 256-260)

Formulas that connect to momentum:

 aavg= v = vf-vi

t t

 p= m(v)

Momentum (p)

*Impulse momentum theorem*

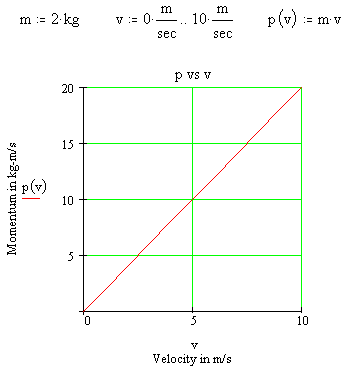
*J*= pf-pi= p

(Impulse = change in momentum)

**Graphs:**

Momentum is directly proportional to mass

Momentum is directly proportional to velocity



\*If the duration of the collision (aka- time) can be increased, the force of the impact will be decreased.

9.3 (p.260-262) (not much to write down in 9.3)

**Definitions:**

Impulse approximation- (ignoring) the small forces