

Science 20F – Formula Sheet

$$\vec{\Delta d} = \vec{d}_2 - \vec{d}_1$$

$$\Delta t = t_2 - t_1$$

$$\vec{\Delta v} = \vec{v}_2 - \vec{v}_1$$

$$\vec{v} = \frac{\vec{\Delta d}}{\Delta t}$$

$$\vec{a} = \frac{\vec{\Delta v}}{\Delta t}$$

$$\vec{a} = \frac{\sum \vec{F}}{m}$$

$$\text{momentum} = m \cdot \vec{v}$$

$$\text{impulse} = \vec{F} \cdot \Delta t$$

$$F \Delta t = m \Delta v$$

$$d = kv^2$$