9th Physics: Design

Formula Sheet

Chapter 4

$$m=\frac{rise}{run}=\frac{∆y}{∆x}=\frac{y\_{2}-y\_{1}}{x\_{2}-x\_{1}}$$

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

$$\overbar{a}=\frac{v\_{f}-v\_{i}}{t}$$

Chapter 5

$W=mg$

Chapter 6

$$a=\frac{F}{m} or F\_{net}=ma$$

$$p=mv$$

Chapter 7

$$W=Fd$$

$$E\_{p}=mgh$$

$$E\_{k}=\frac{1}{2}mv^{2}$$

Chapter 24

$$T=\frac{1}{f} or f=\frac{1}{T}$$

$$v=fλ$$