

# IPSH SEMESTER 1 FINAL EXAM EQUATION SHEET

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$$v = d/t$$

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

$$v = at$$

$$d = \frac{1}{2}at^2$$

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

$$F = ma$$

$$W = ma_g$$

$$\text{work} = Fd$$

$$\text{power} = \frac{\text{work}}{\text{time}}$$

$$PE = mgh$$

$$KE = \frac{1}{2}mv^2$$

$$MA = \frac{\text{input distance}}{\text{output distance}}$$

$$K = ^\circ\text{C} + 273$$

$$^\circ\text{F} = (9/5 \times ^\circ\text{C}) + 32$$

$$^\circ\text{C} = 5/9 (^\circ\text{F} - 32)$$