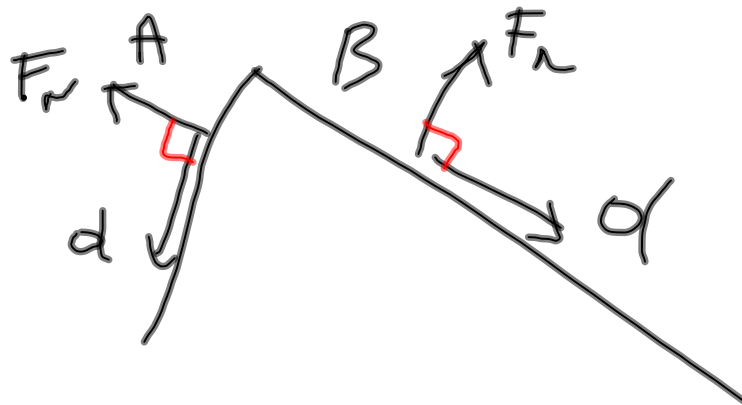


$$a = \frac{F_{\text{net}}}{m}$$



Jan 9-7:48 AM

POWER: RATE AT WHICH
WORK IS DONE.

$$P = \frac{W}{t} \quad \left[\frac{J}{s} \right] = [W]$$

$$P = F \cdot v$$

WATT
F = FORCE
v = VELOCITY

Jan 9-8:02 AM

$$1 \text{ hp} = 746 \text{ WATTS}$$

$$\text{hp} = \text{HORSE POWER}$$

Jan 9-8:04 AM

(H #3) (of E. ① - ④)

$$ME_1 + \cancel{W_{EXT}} = ME_4 + \Delta U_{INT}$$

$$K_1 + PE_{g1} = K_4 + PE_{g4} + F_{KF} d_{23}$$

$$\Delta U_{INT} = \#$$

$$W_{23} = -\Delta U_{INT}$$

Jan 9-8:14 AM