**Equation Sheet for Forces Test**

FNet = m a p = m v Fg = W = m g

Fg = $\frac{G m\_{1}m\_{2}}{d^{2}}$ G = 6.67 x 10-11 N m2/ kg2I=∆p= m∆v

 I = Ft Ff = μFN pbefore collision= pafter collision

vx = $\frac{d}{t}$ vy = vi + at dy=$\frac{1}{2}at^{2}$ 2ad = vf2 - vi2 a = $\frac{v\_{f}-v\_{i}}{t}$

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