Lab Physics: Formulas

$V = \frac{distance}{time}$

$v = \frac{2\pi r}{t}$

$a = \frac{v_f - v_i}{t}$

$a = \frac{v^2}{r}$

$d = v_i\, t + \frac{1}{2} a t^2$

$(v_f)^2 = (v_i)^2 + 2ax$

F_{net} = sum of forces

$F_{net} = ma$

$F_f = \mu\, F_N$

$W = F_g = mg$

$T = \frac{time\ (s)}{number\ of\ cycles}$

$f = \frac{number of\ cycles}{time\ (s)}$