

# Review from Lecture 4

- Constant Acceleration Equations of Motion

- $x = x_0 + v_0 t + \frac{1}{2} a t^2$

- $v = v_0 + a t$

- $v^2 = v_0^2 + 2a(x-x_0)$

- $\Sigma F = m a$

- Draw Free Body Diagram

- Write down equations (which variables do you know, which don't you know?)

- Solve

- Today: look at Gravity as force