29:011 Summer 2013 Formulas and constants for Exam 1

$$x = x_0 + \mathrm{v}_0 t + (1/2) a t^2$$

$$\mathrm{v} = \mathrm{v}_0 + at$$

$$\mathrm{v}^2 = \mathrm{v}_0^2 + 2a(x - x_0)$$

$g = 9.8\ m/s^2$

1 m = 100 cm = 1000 mm

1 in = 2.54 cm

1 mile = 5280 ft = 1.61 km