

## Path of a Falling Object

Session 81

a)  $y'(t) = 9.8t \Rightarrow y(t) = 4.9t^2 + 5$

b)  $v(t) = t; y(t) = 4.9t^2 + 5$

c)  $\frac{ds}{dt} = \sqrt{1+98t^2}$