

Quiz 2

Name: _____

1. (a) Suppose that $s(t)$ is the position of a particle at time t , with time measured in seconds and position measured in meters from the origin. What is the formula for computing the *instantaneous velocity* of the particle at time t_0 ?

- (b) For a concrete example, let $s(t) = 2t^2 + 3t$. Compute the instantaneous velocity of the particle when $t = 1$.