

Quiz 9

Name: _____

1. Given below is the graph of $f'(t)$. Describe the intervals where the function $f(t)$ is increasing and decreasing.



2. A ball is tossed in the air, and its height off the ground (in meters) at time t (in seconds) is modeled by the function

$$s(t) = -4.9t^2 + 2t + 1.$$

When does the ball reach its maximum height? [You may use the results from class to calculate derivatives.]