

Math 181, Quiz 2.1

Name: _____

1. If a ball is thrown into the air with a velocity of 40 ft/s, its height in feet after t seconds is given by $y = 40t - 16t^2$.

(a) Find the average velocity for the time period beginning when $t = 2$ and lasting

i. 0.5 s

ii. 0.1 s

iii. 0.05 s

iv. 0.01 s

(b) Find the instantaneous velocity when $t = 2$.