

Math 151
In-class Worksheet

5. Suppose a car is moving, and at time t measured in seconds, the car's position is $p(t) = 4t + t^2$ in feet.
- (a) What is the car's average velocity between $t = 3$ sec and $t = 4$ sec?
 - (b) What is the car's average velocity between $t = 2.9$ sec and $t = 3$ sec?
 - (c) Without using formulas from physics or calculus, how would you find the velocity of the car at $t = 3$ sec? Implement this method.