Name: _____                                      Date: _____

The position of an object, in meters, at time $t$, in seconds, is given by $s(t) = -4.9t^2 - 8t + 25$.

Determine each of the following:

1.  The average velocity of the object on the time interval of $t = 2$ secs to $t = 5$ secs.

2.  The instantaneous velocity of the object at $t = 3$ seconds by completing the table shown below. {Round to 4 decimal places}

| Time Interval | Average Velocity |
|:---:|:---:|
| [3, 4] | |
| [3, 3.5] | |
| [3, 3.1] | |
| [3, 3.01] | |
| [3, 3.001] | |
| [3, 3.0001] | |

Instantaneous velocity at $t = 3$ seconds: _____

What is your current homework average? _____