

# Physics 1114 - General Physics I

## Quiz #3 - 2012.08.27

### Solutions

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1. How is average velocity is defined?

Average velocity is defined to be the change in position over a specific period of time.

2. What is the relationship between average velocity and instantaneous velocity?

Instantaneous velocity is found by letting the period of time in the average velocity go to zero (note that the change in position also goes to zero in the ratio in this case).

3. State the relationships between position, velocity and acceleration .

Velocity is the change in position per unit time, and acceleration is the change in velocity per unit time.