

Name _____

Physics 132
Spring 2017

Quiz #1
(10 points)

Prof. Redish
1.30.17

1. (8 points) In the boxes below, write clear and complete statements of each of Newton's laws of motion in your own words. In the box at the right, if there is an equation that goes with the law, write it.

<i>Law</i>	<i>Statement</i>	<i>Equation (if any)</i>
Newton 0		
Newton 1		
Newton 2		
Newton 3		

2. (2 points) In a small interval of time, the x-coordinate of an object changes from an initial value of x_i to a final value of x_f . Assuming that the time interval is short enough that the velocity in that time can be treated as a constant, write an expression in the boxes given (using x_i and x_f) that represents:

- The change in position, Δx

$\Delta x =$

- The average position, $\langle x \rangle$

$\langle x \rangle =$
