*Name: Date:*

**Conceptual 1D Review**

Answer the following questions in complete sentences. A minimum of two sentences per answer!

1. What is the difference between distance d and displacement Δx?
2. Does the odometer reading in a car measure distance or displacement? Justify.
3. Imagine a fox darting around in the woods for several hours. Can the displacement Δx of the fox from his initial position ever be larger than the total distance d he traveled? Explain.
4. What is the difference between acceleration and velocity?
5. What is the difference between average and instantaneous velocity?