

QUESTIONS TO HAND IN-EXPERIMENT 02

NAME _____

LAB INSTRUCTOR _____ LAB DAY/TIME _____

1. If a body is not moving at all, what would a plot of position vs. time look like? What would a plot of velocity vs. time look like?
2. If a body is moving at a *constant* velocity, what would a plot of position vs. time look like? What would a plot of velocity vs. time look like?
3. If a person covers a distance of 3 m in an elapsed time of 2s, and is moving *away from* the detector, what is his/her velocity?
4. If a person covers a distance of 3 m in an elapsed time of 3 s, and is walking *toward* the detector, what is his/her velocity?
5. A person starts from the origin and moves to the +5 meter mark over a time interval of 10 s. What is the average velocity during this motion?