1-D Motion

NAME: ____________________________

Lab partner(s): ________________________

QUALITATIVE SKETCHES (you might want to sketch in pencil first, then ink in your final predictions before making measurements using the motion detector):

\[ x \text{ vs. } t \]

\[ v \text{ vs. } t \]
INTERPRETING THE GRAPHS:

Include separate print-outs of the $x \text{ vs. } t$ and $v \text{ vs. } t$ graphs collected by computer.

Responses to questions: Use complete sentences to answer the questions, so that it is clear by your answer which question you are answering. Show any additional data recorded and intermediate calculations performed in answering the questions. **NOTE:** By “bounce” we mean the brief time interval during which the glider is in contact with the bumper at the lower end of the track. Annotate your printed graphs to help illustrate your answers.
Please write legibly!

[1]

[2]

[3]
[Homework]