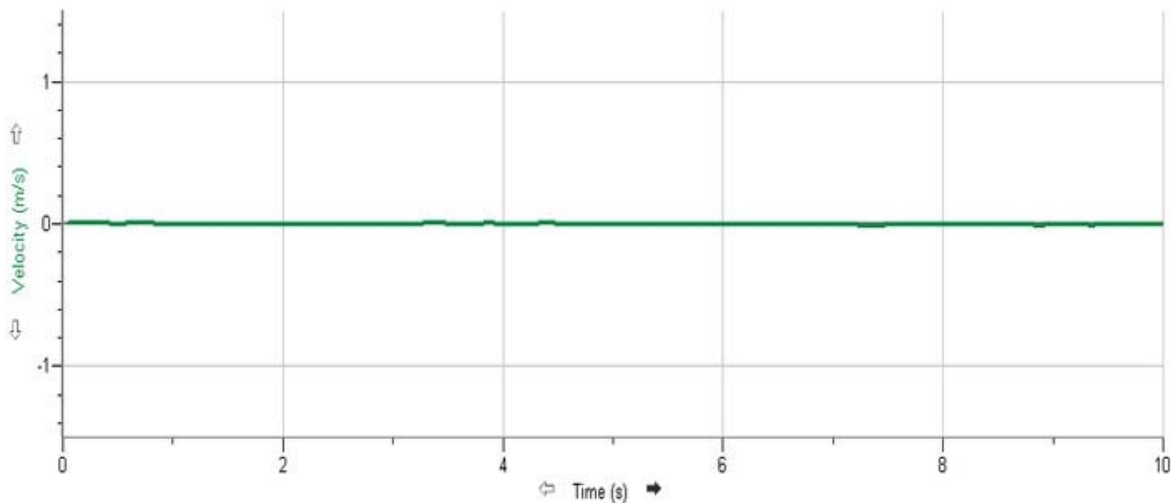
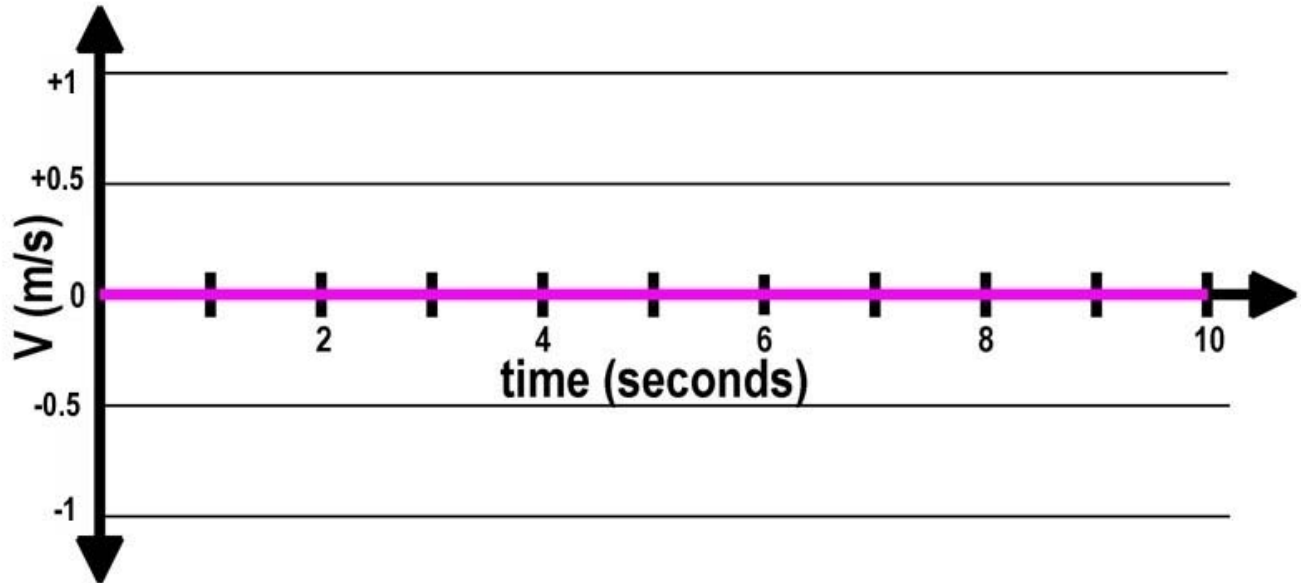


## Answer #343

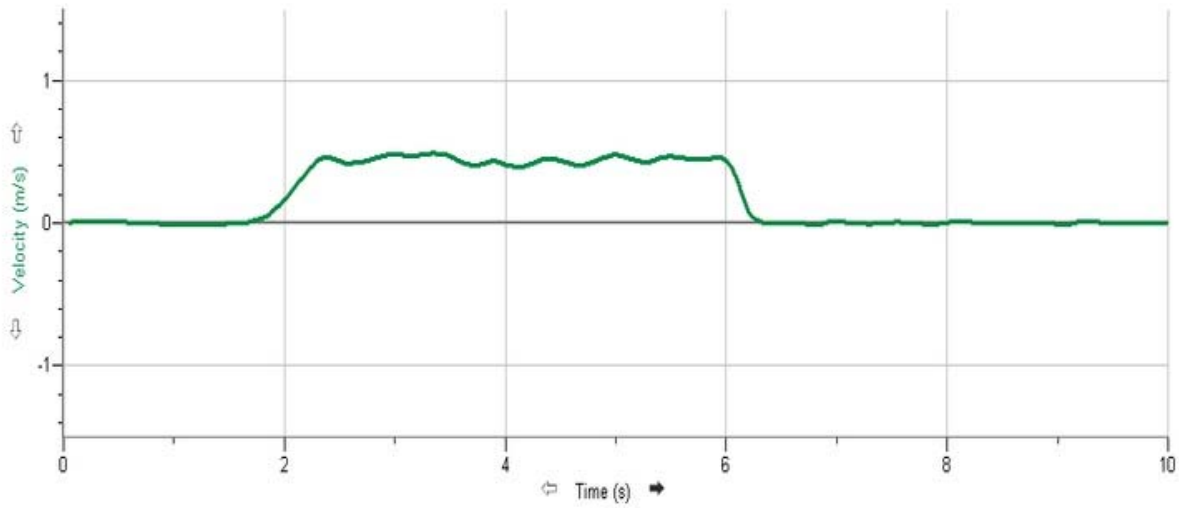
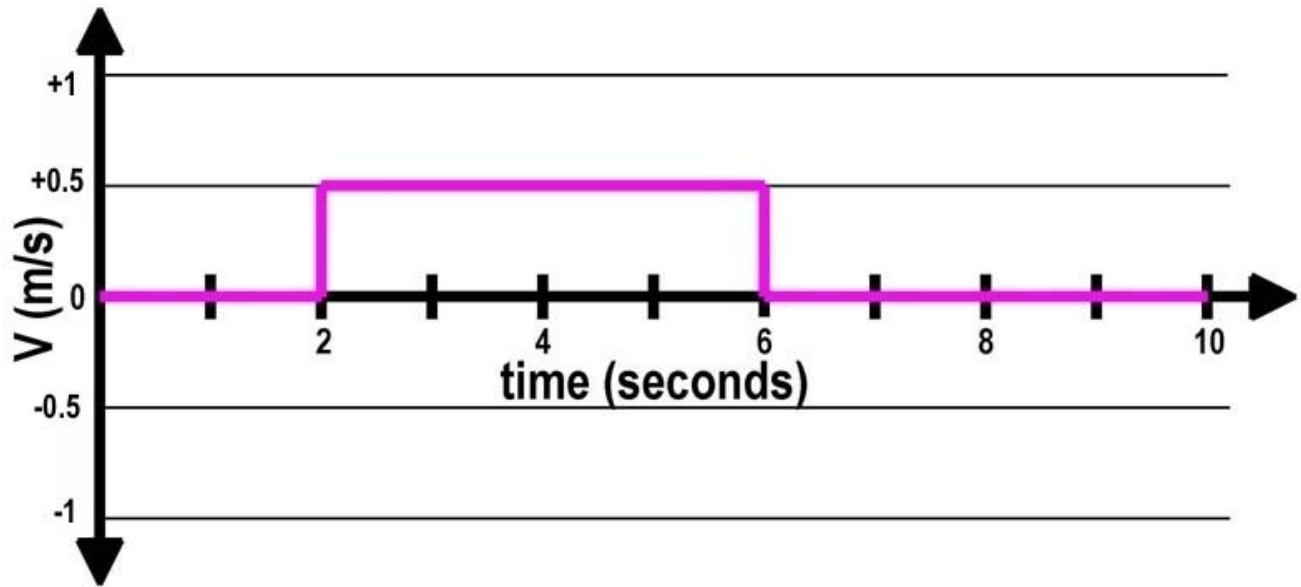
The answers for each of the questions are presented in order; shown for each case as jpeg figures are (1) the graph of  $v(t)$  vs.  $t$  for each of the questions and (2) the actual experimental graph of  $v(t)$  vs.  $t$  for each of the questions produced when I move in the appropriate manner. A video of my motion can be seen by clicking your mouse on the experimental  $v(t)$  vs.  $t$  graph.

**Question (a): the answers are Video #1, #2, and #3.**

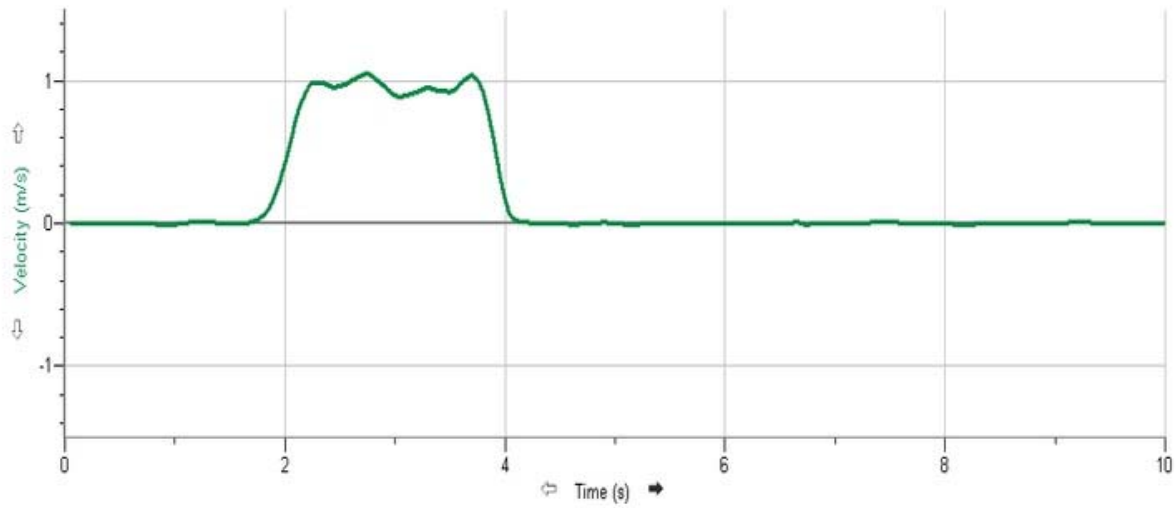
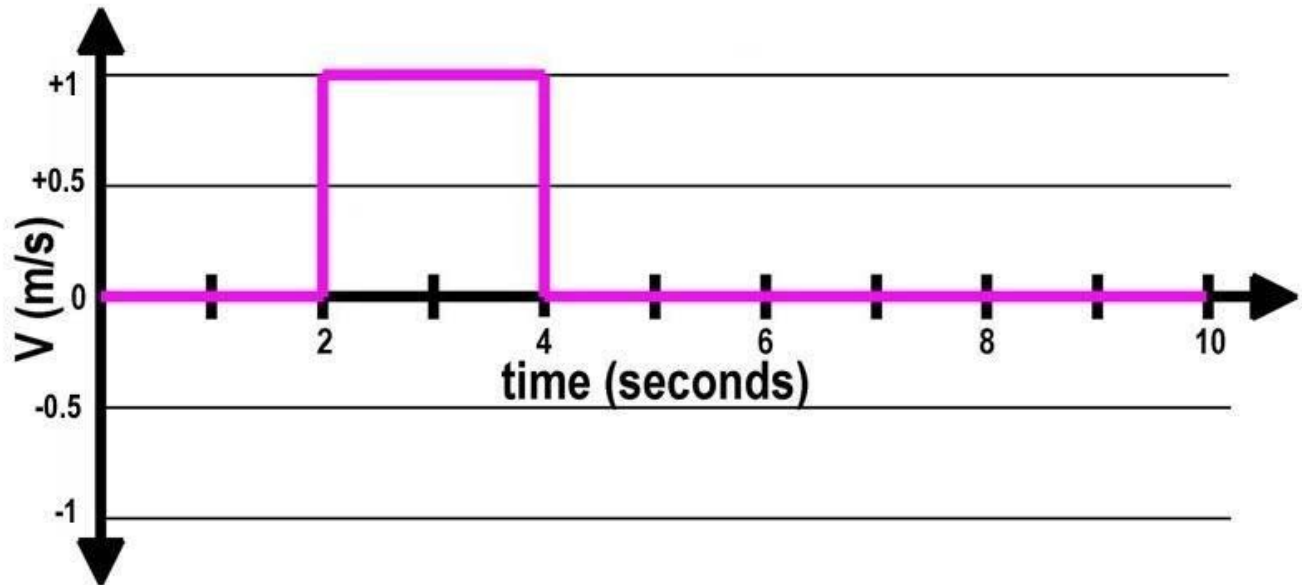


Video #1 is shown above. Go back to the *Question* to view Videos #2 and #3. Why are they all correct answers?

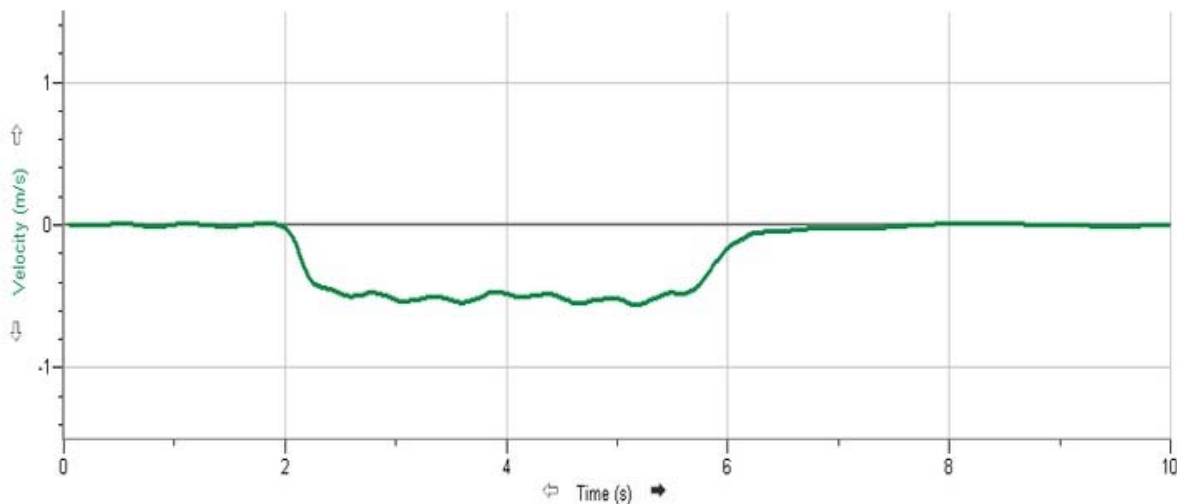
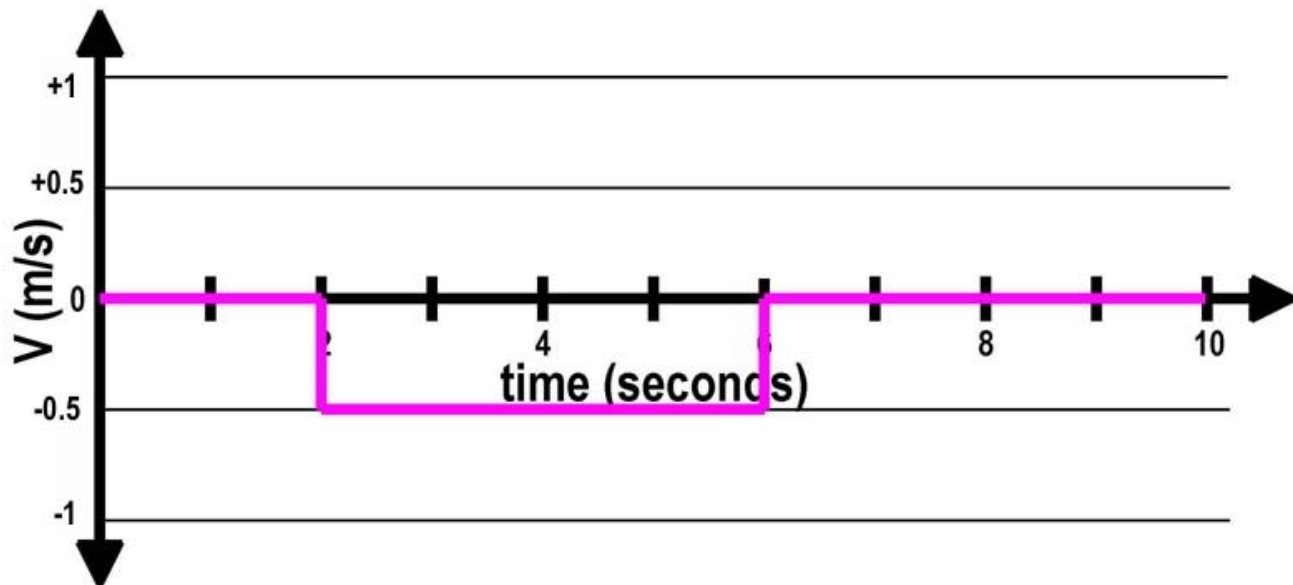
Question (b): the answer is **Video #6**.



Question (c): the answer is Video #8.



**Question (d): the answer is Video #5.**



Notice that Videos #1, #2, and #3 are ALL proper solutions to Question (a); Videos #4 and #7 were not correct v vs. t sequences for any of the theoretical curves given.

[Question #344](#) is a follow-up to Question #343.

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For questions and comments regarding the *Question of the Week* contact [Dr. Richard E. Berg](#) by e-mail or using phone number or regular mail address given on the [Lecture-Demonstration Home Page](#).