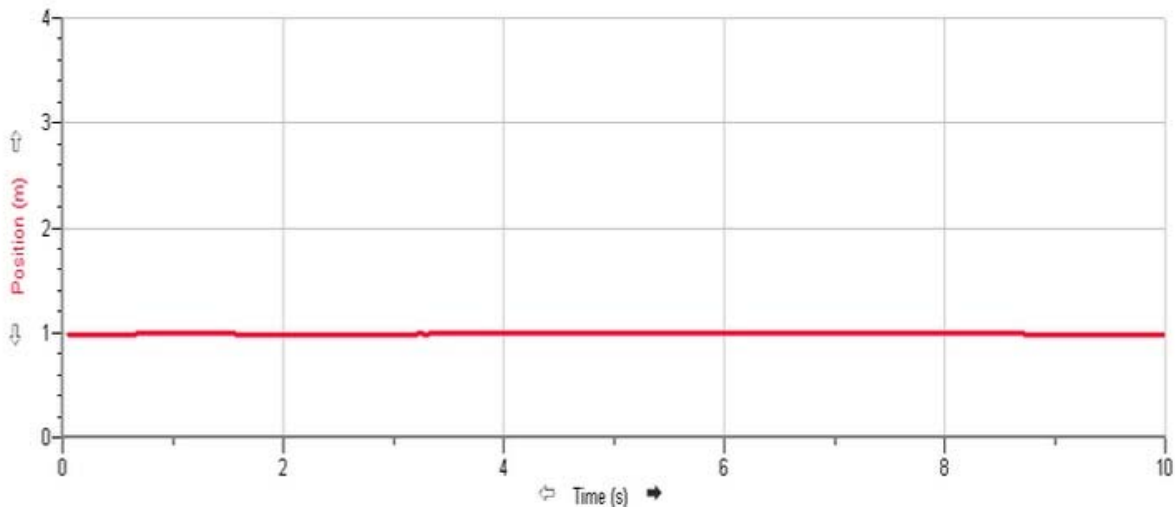
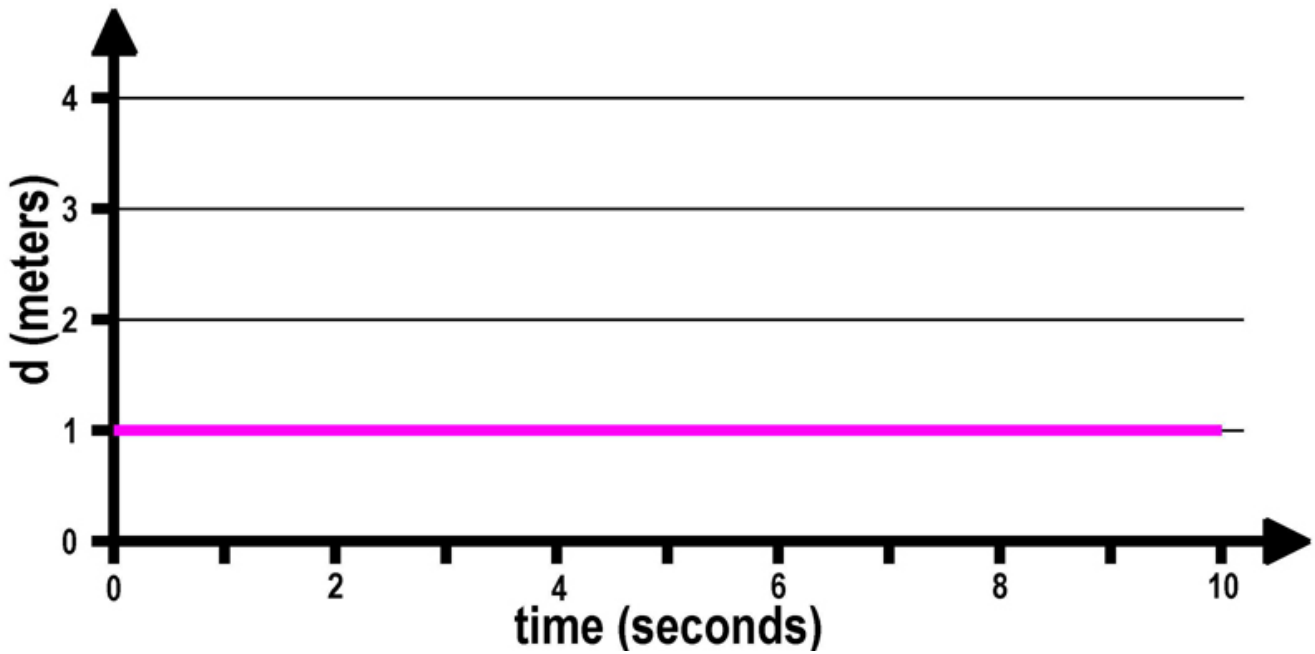


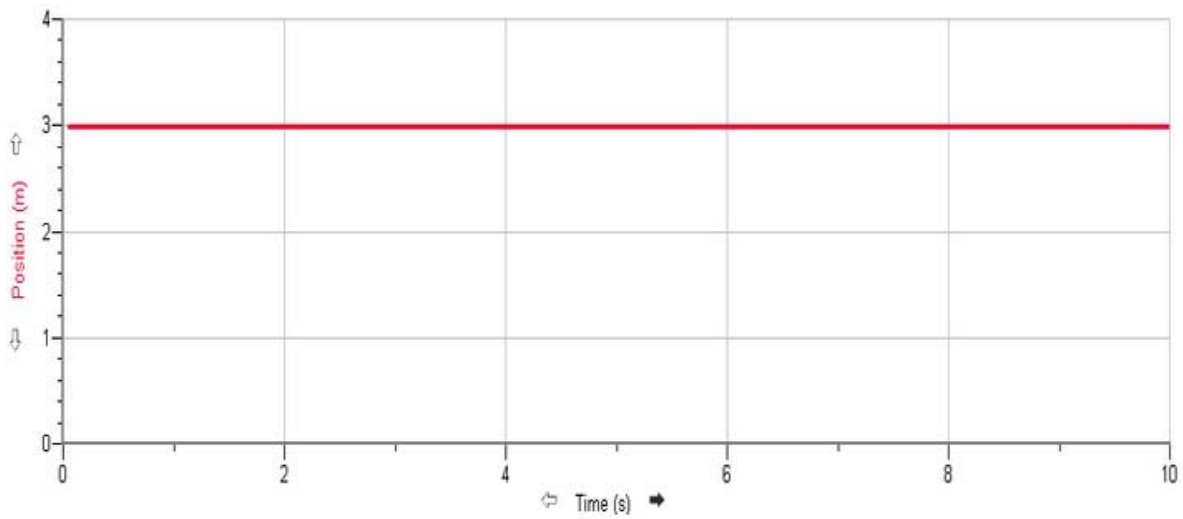
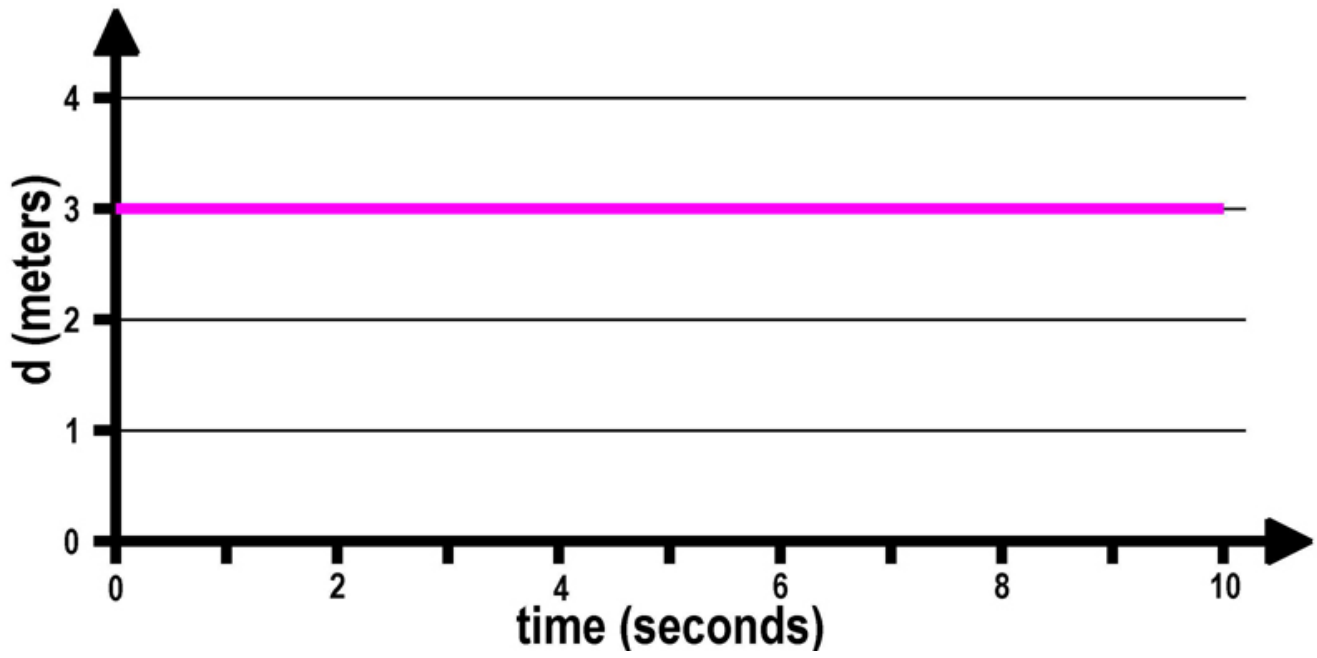
## Answer #342

The answers for each of the questions are presented in order; shown for each case as jpeg figures are (1) the graph of  $d(t)$  vs.  $t$  for each of the questions and (2) the actual experimental graph of  $d(t)$  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  $d(t)$  vs.  $t$  graph.

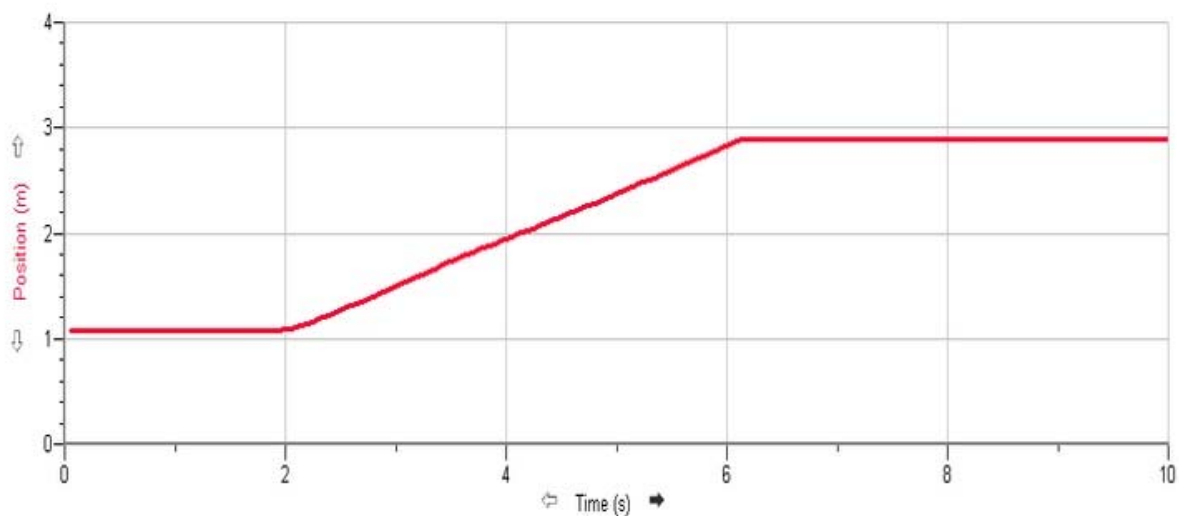
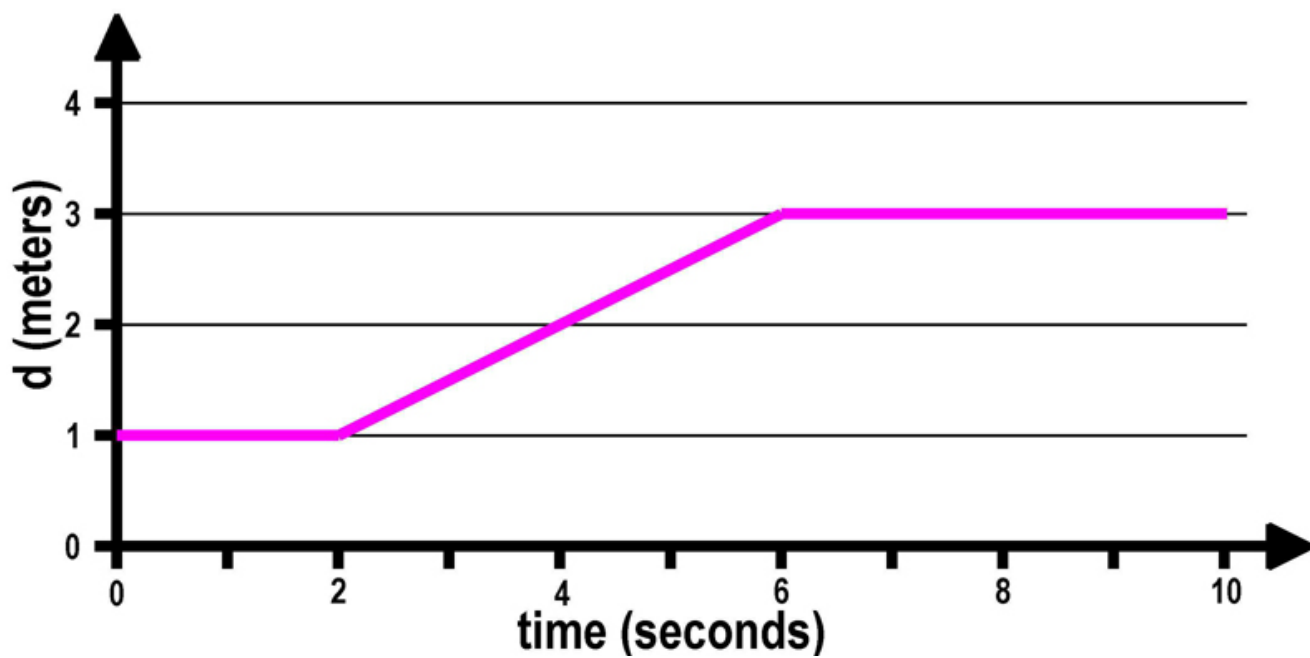
**Question (a): the answer is Video #3.**



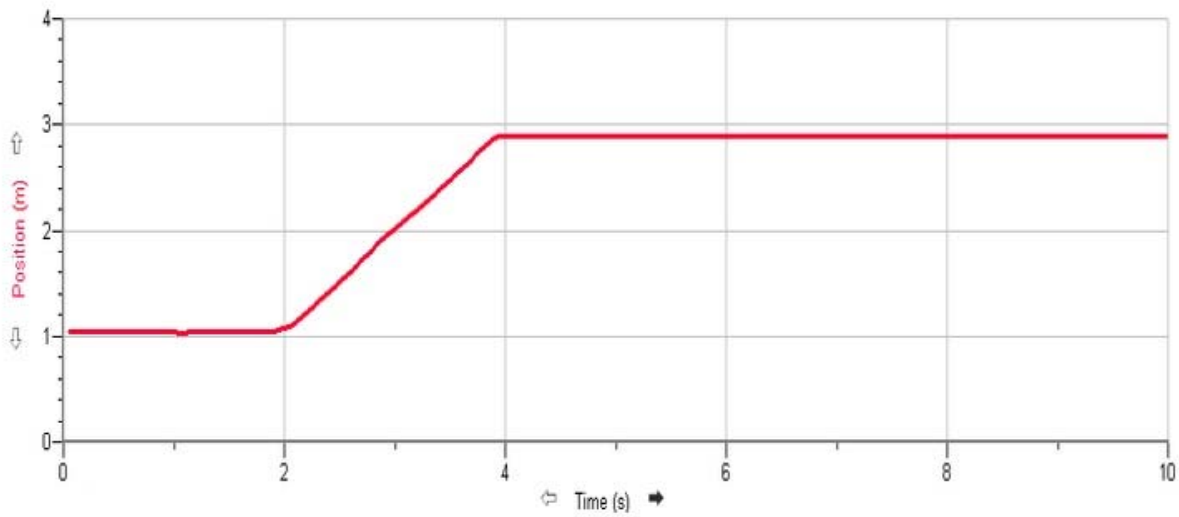
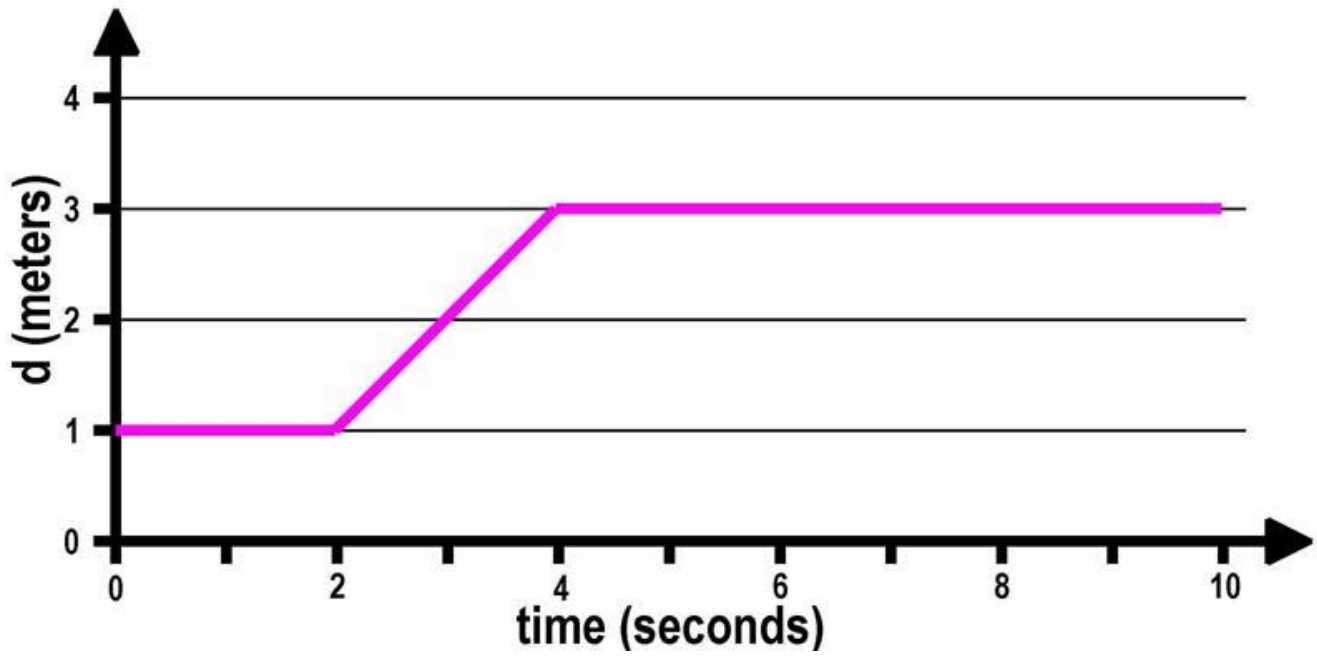
Question (b): the answer is Video #1.



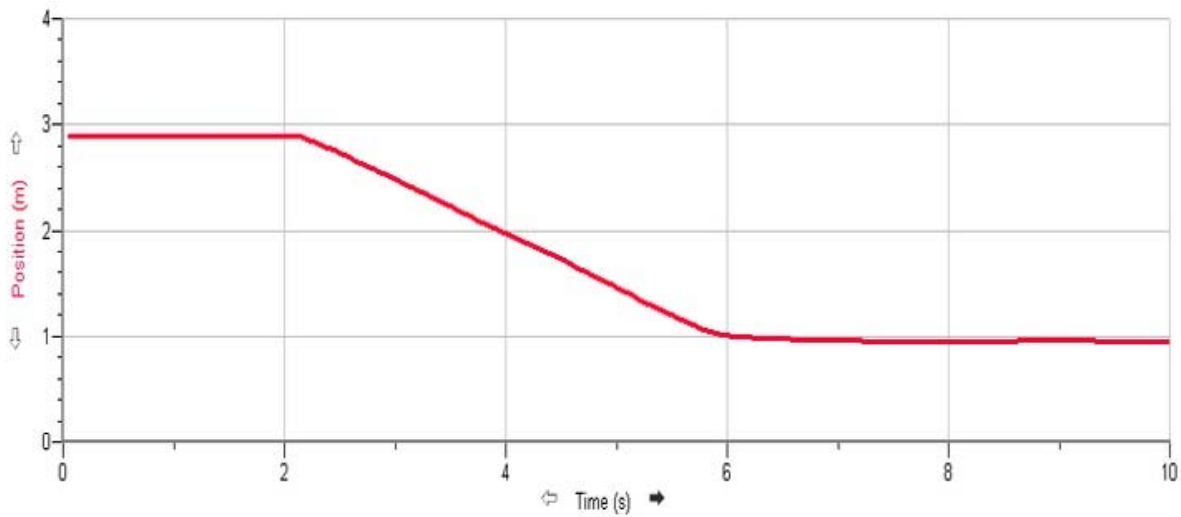
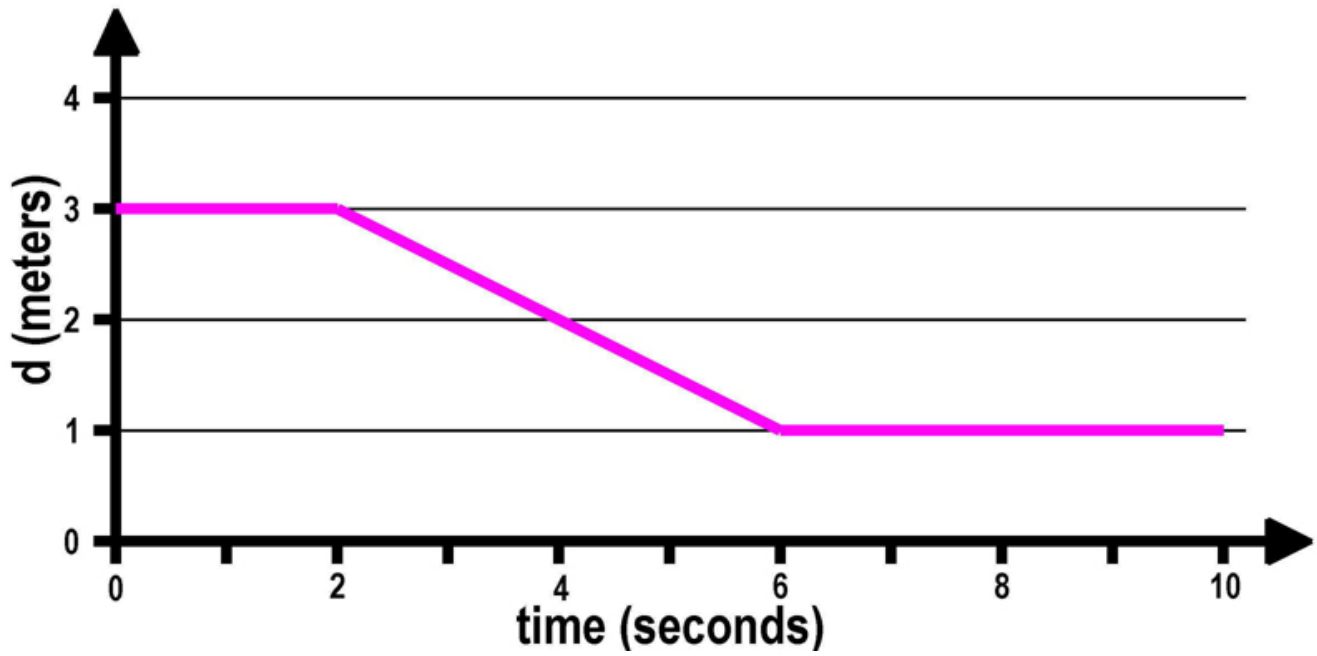
Question (c): the answer is Video #6.



Question (d): the answer is **Video #8**.



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



Notice that Videos #2, #4, and #7 were not correct  $d$  vs.  $t$  sequences for any of the theoretical curves given.

[Question #343](#) is a follow-up to Question #342.

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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](#).