

Answer #344

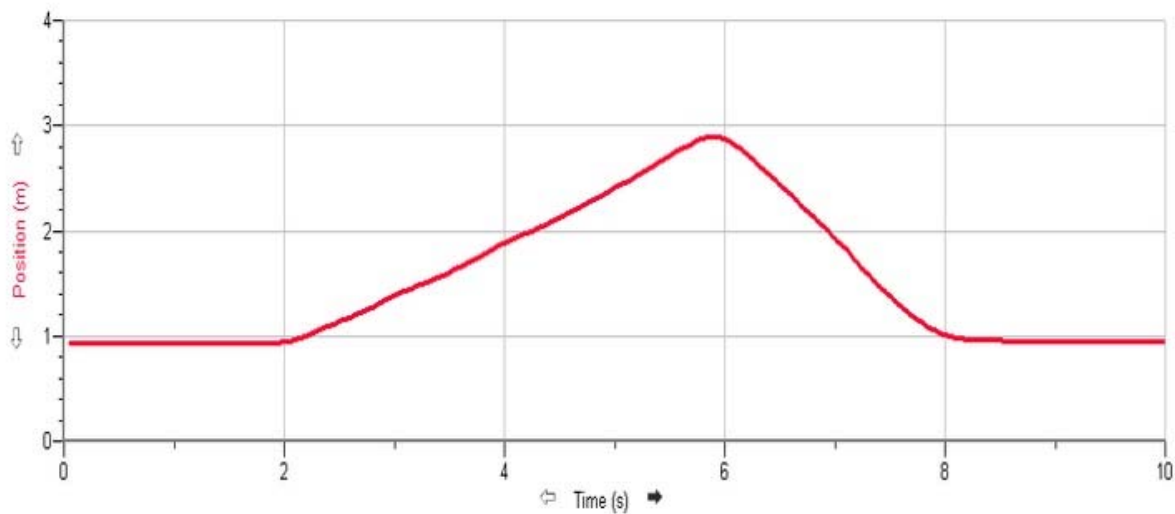
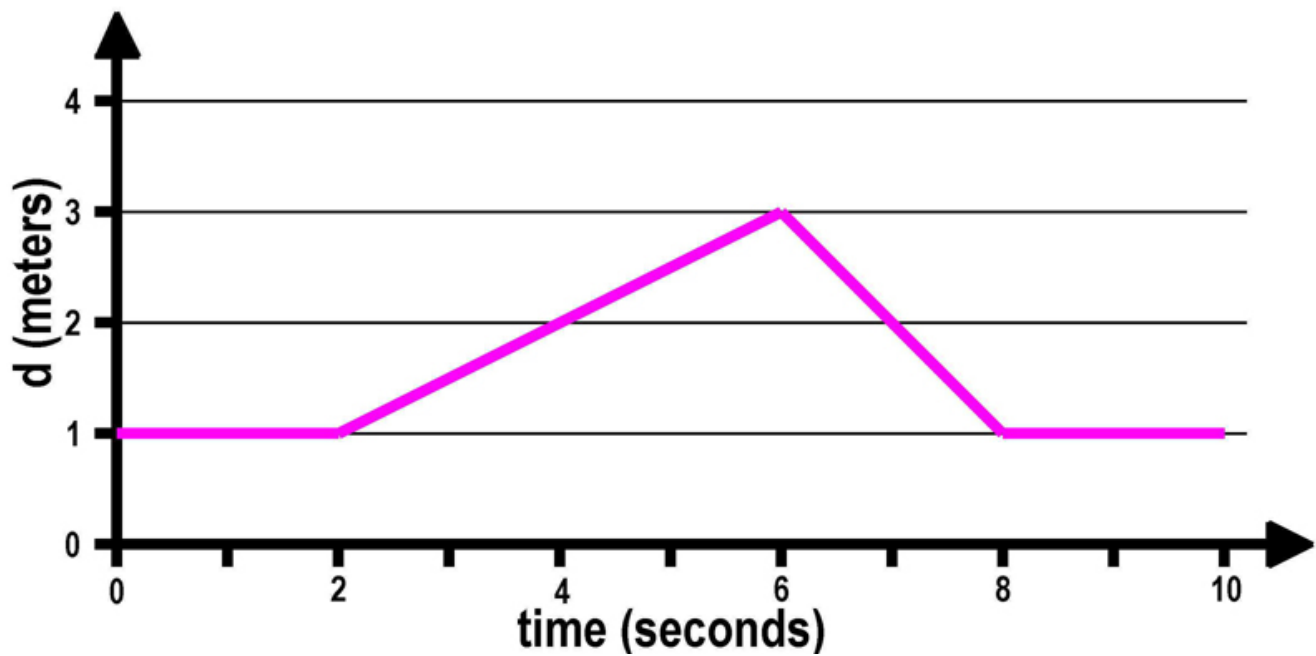
The answers for each of the questions are presented in order; shown for each case as jpeg figures are

Question (a): (1) the theoretical graph of $d(t)$ vs. t followed by (2) the actual experimental graph of $d(t)$ vs. t ,

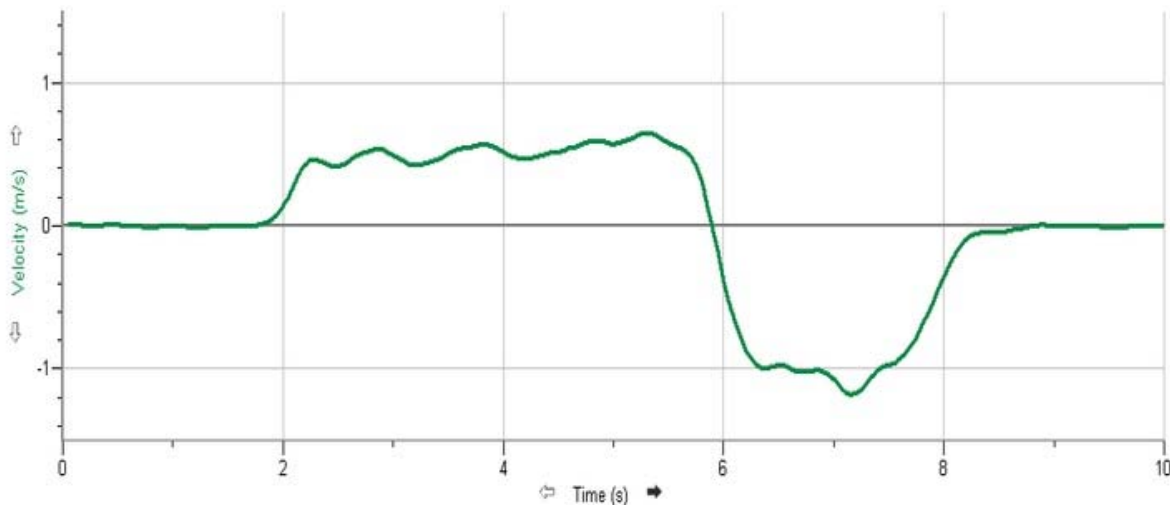
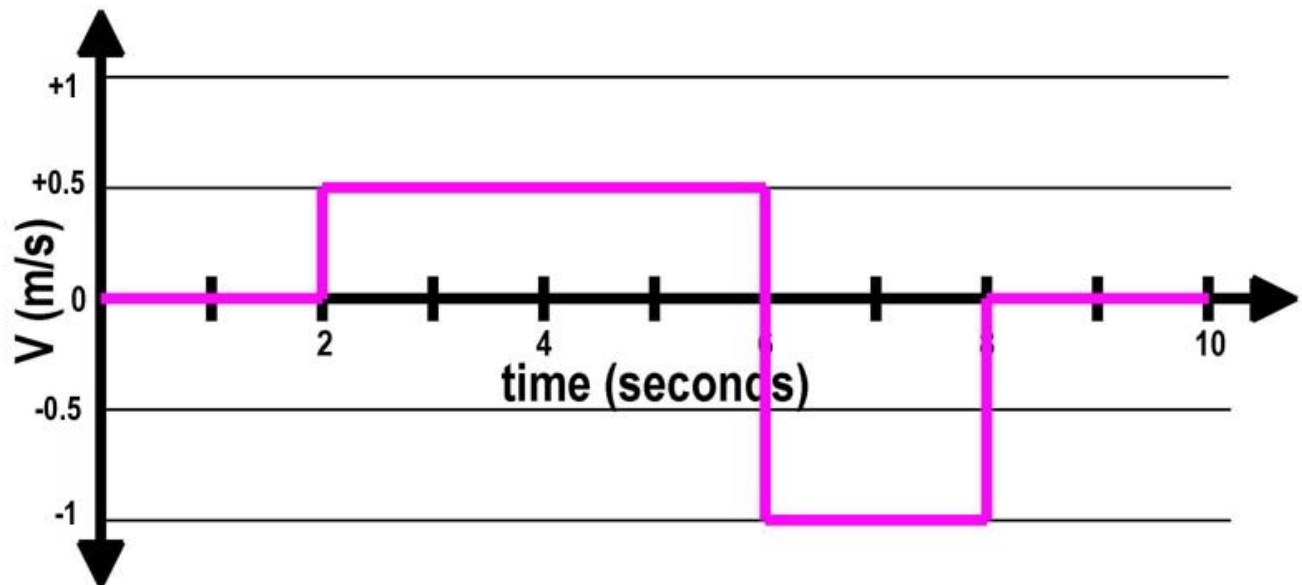
Question (b): (1) the theoretical graph of $v(t)$ vs. t followed by (2) the actual experimental graph of $v(t)$ vs. t .

A video of my motion can be seen by clicking your mouse on the experimental $d(t)$ vs. t or $v(t)$ vs. t graph.

Question (a): the answer is Video #4.



Question (b): the answer is Video #4.



Notice that Video #4 is the proper solution to both Question (a) and Question (b), while none of the other videos are correct d vs t or v vs. t sequences for either of the theoretical given.

Your final task for this question is to draw the d vs. t and v vs. t graphs for the motion sequences seen in the remaining three videos. When you have drawn these graphs you may click [here](#) to see the correct answers.

[Question of the Week](#)

[Outreach Index Page](#)

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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](#).