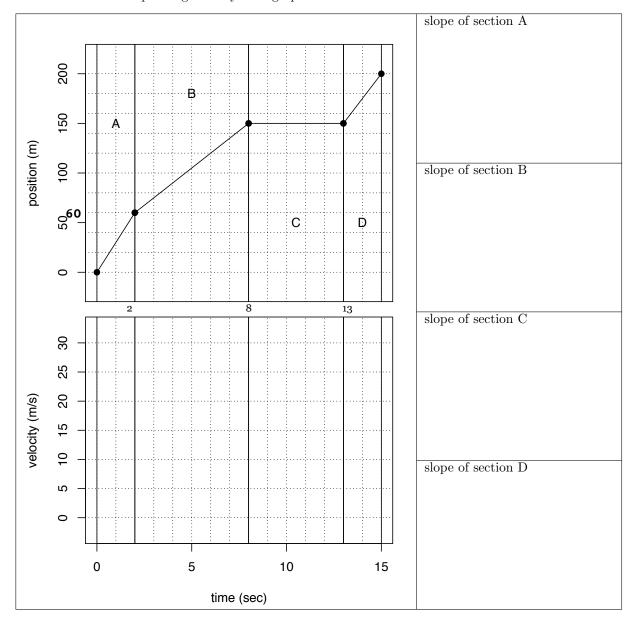
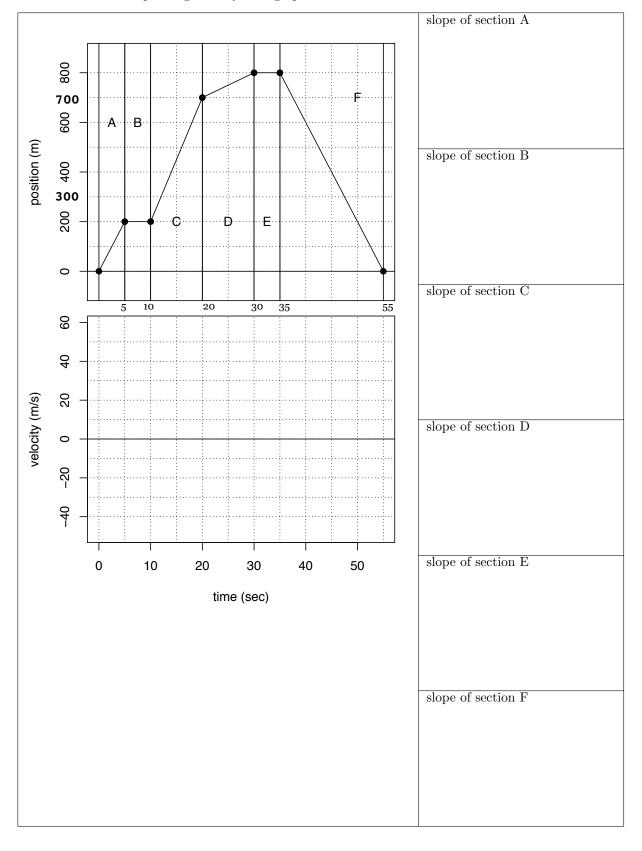
The SLOPE of a position-time graph is the velocity a

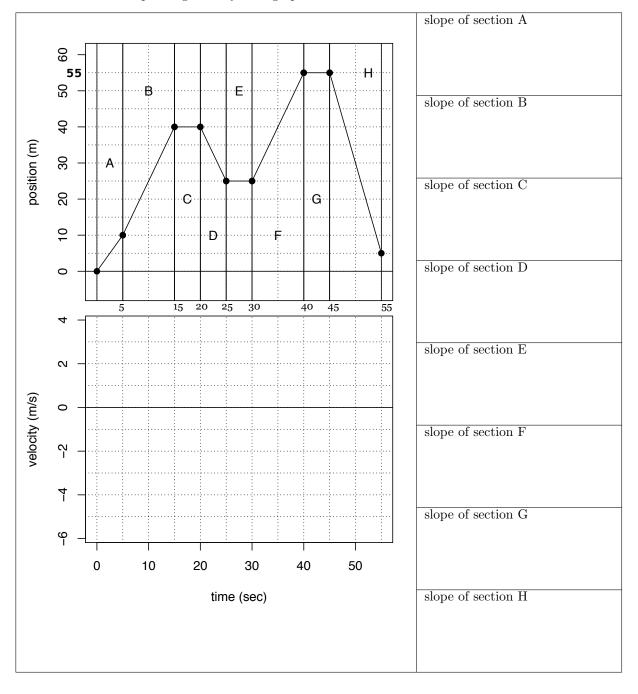
- Find the slope in each section of the position-time graph.
- Draw the corresponding velocity-time graph.



- Find the slope in each section of the position-time graph.
- Draw the corresponding velocity-time graph.

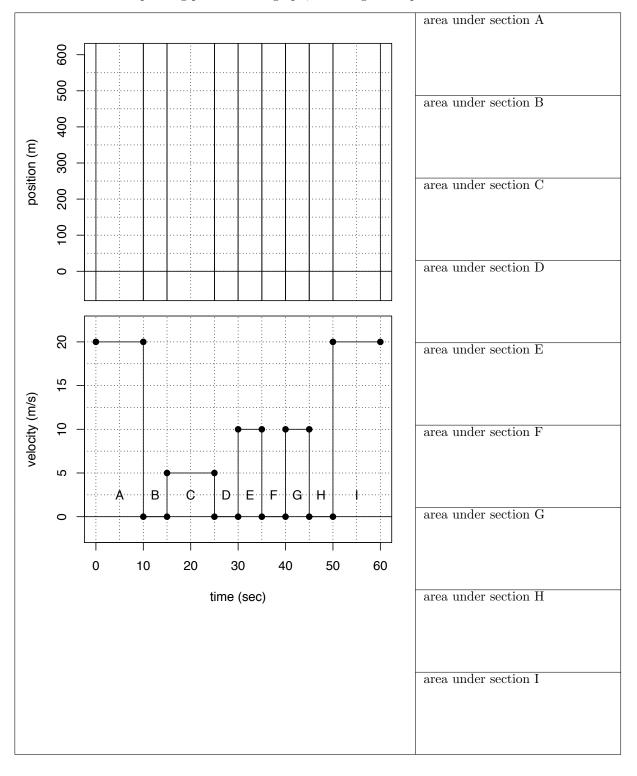


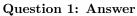
- Find the slope in each section of the position-time graph.
- Draw the corresponding velocity-time graph.

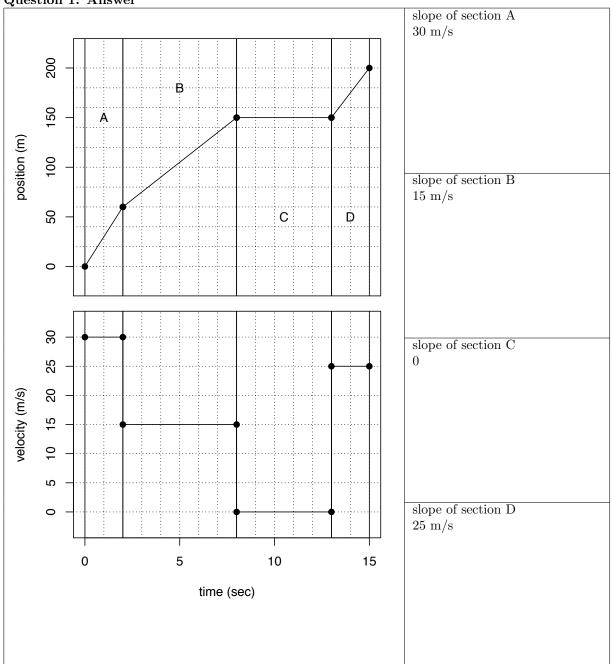


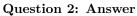
The AREA under a velocity-time graph is the change in position of that range!

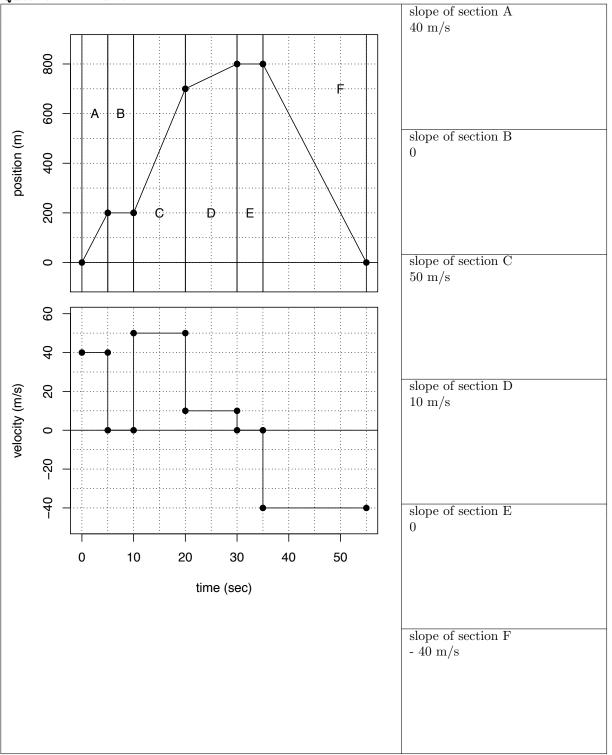
- Find the area under each section of the velocity-time graph.
- Draw the corresponding position-time graph, assuming initial position = 0.



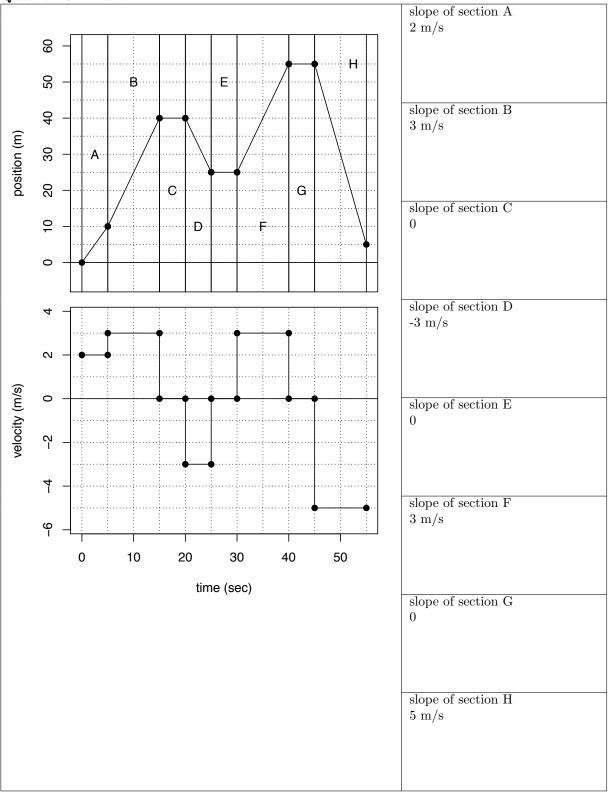




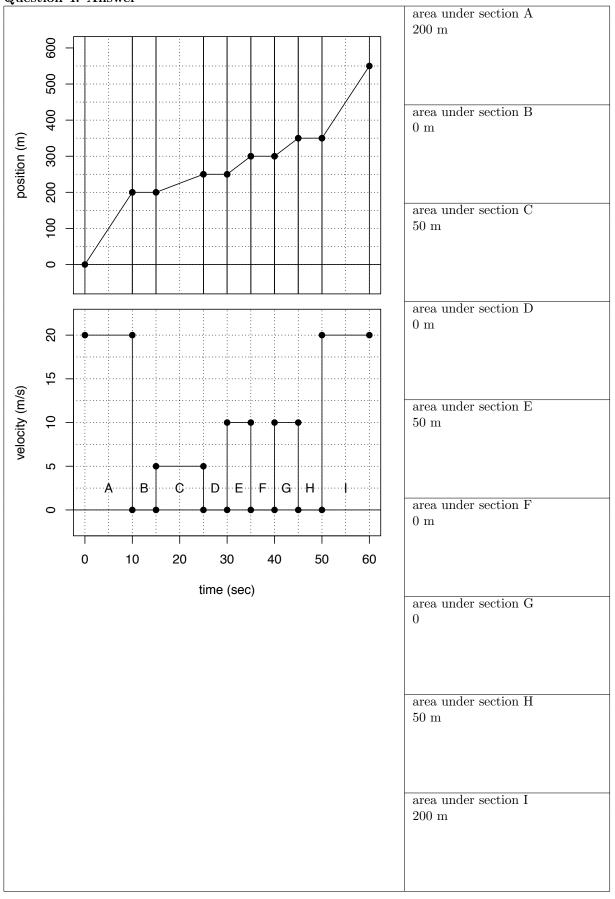




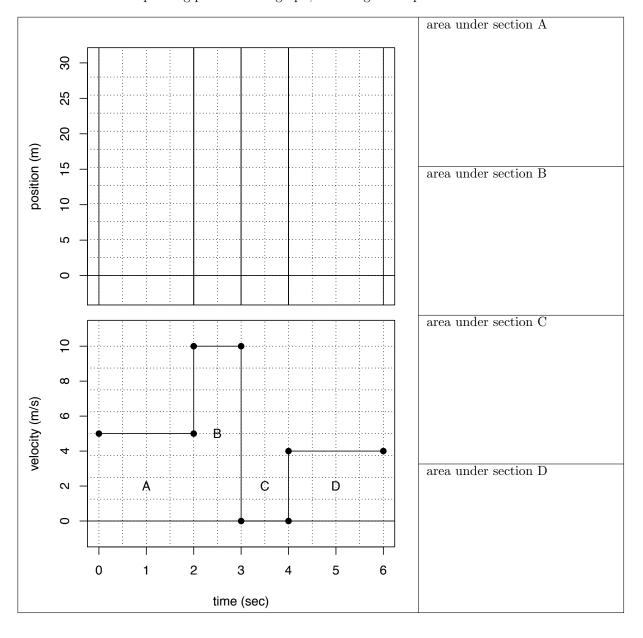
Question 3: Answer



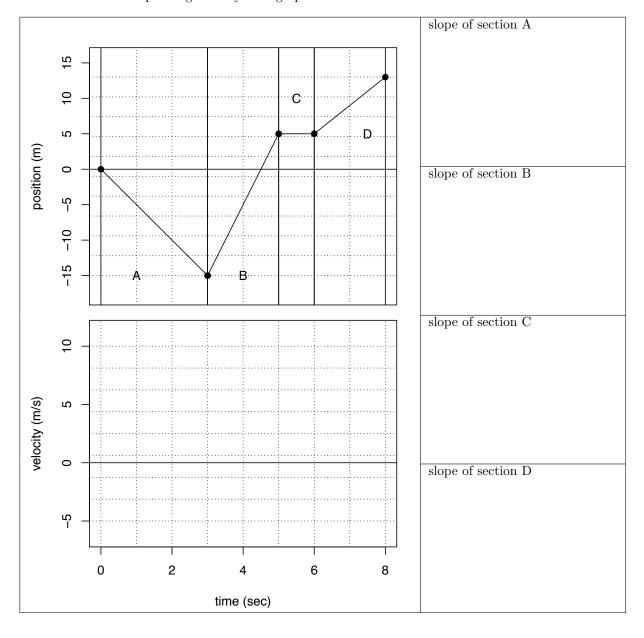
Question 4: Answer

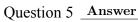


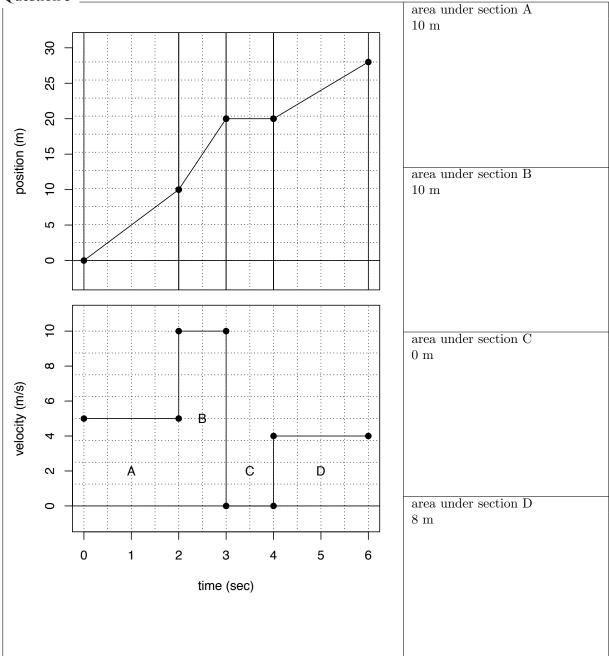
- Find the area under each section of the velocity-time graph.
- Draw the corresponding position-time graph, assuming initial position = 0.

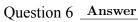


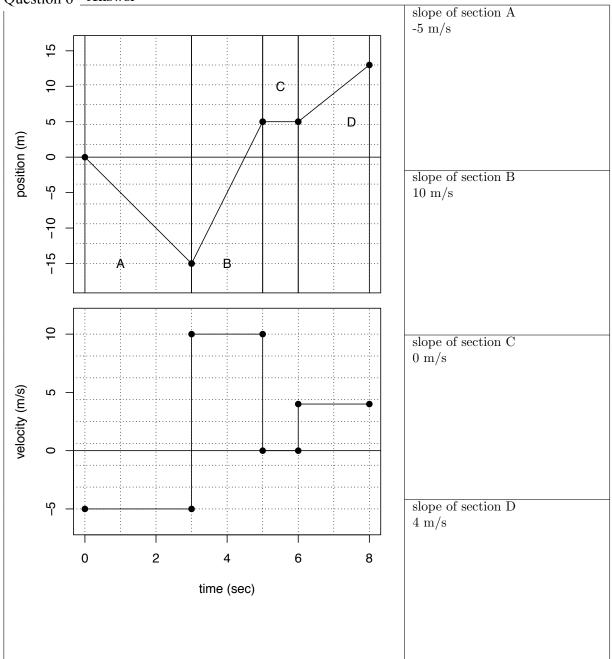
- 6 $_{\bullet}$ г mu the slope in each section of the position-time graph.
- Draw the corresponding velocity-time graph.

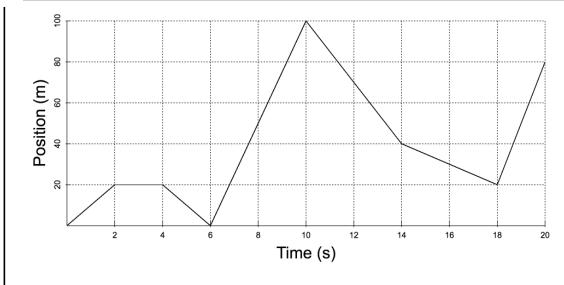


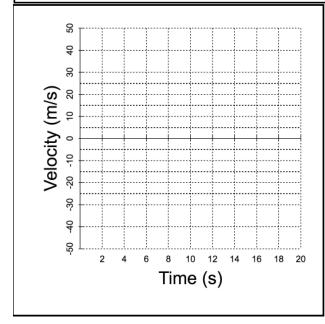


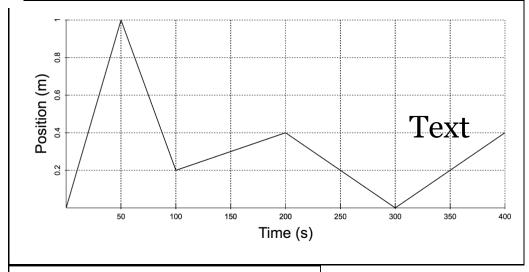


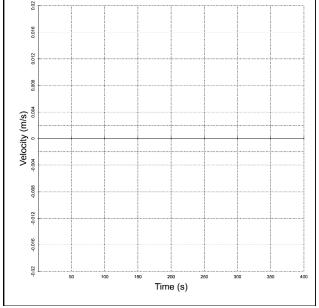












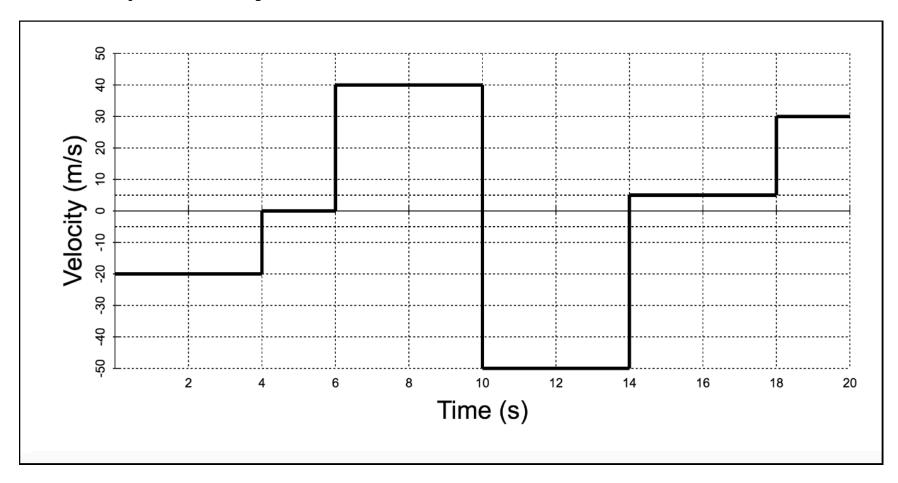
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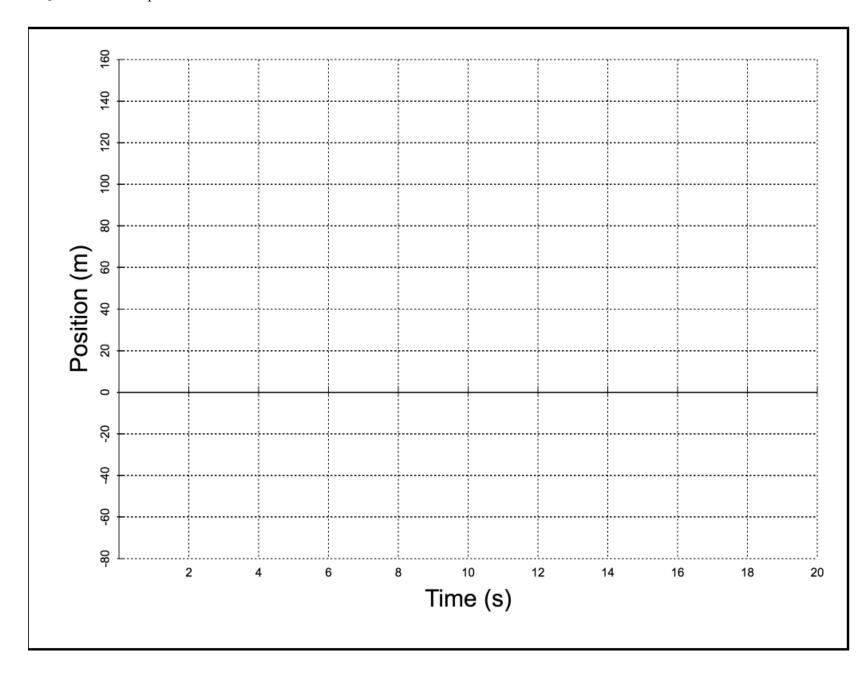
Quantitative Graphs 2 More Problems	Quantitative	Graphs	2 More	Problems
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Name	

For the following velocity-time graph, create a position-time graph on the next page:

The *initial position* is equal to 60 meters





10. Explain, in a few sentences the method used to solve numbers problems 1 and 2. Make sure you refer to the proper *mathematical principle* that you used, and explain the actual steps you took. [2 points]

11. Explain, in a few sentences, the method used to solve problems 3 and 4. Make sure you refer to the proper *mathematical principle* that you used, and explain the actual steps you took. [2 points]

Answers:

_ _

Time:	Value:
	40
0 – 2	10
2 - 4	0
4 – 6	-10
6 40	0.5
6 - 10	25
10 - 14	- 15
14 - 18	-5
18 - 20	30
	0 - 2 2 - 4 4 - 6 6 - 10 10 - 14 14 - 18

9.

points on final graph:

- (0, 60)
- (4, -20)
- (6, -20)
- (10, 140)
- (14, -60)
- (18, -40)
- (20, 20)