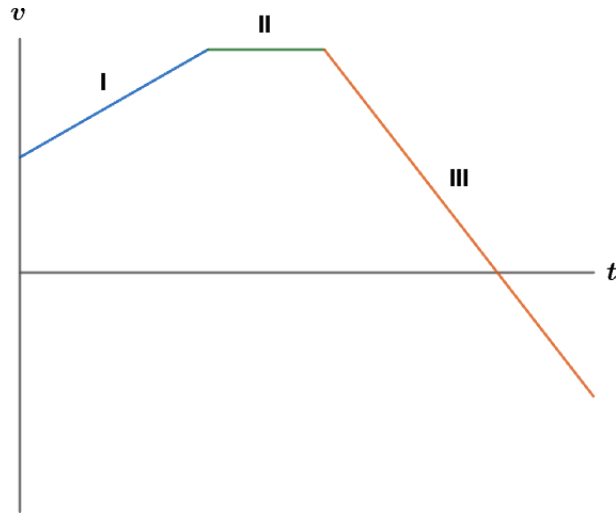


2008 F=ma Exam: Problem 5

Kevin S. Huang



Since the acceleration is given by the slope of a velocity-time graph, we see the car travels at three different accelerations from beginning to end. From the graph, the car has a small positive acceleration for part I of the motion, zero acceleration for part II, and a large negative acceleration for part III. Thus, the answer is .