

4. After seeing a Tigers game in Detroit, you get onto I-94 toward Ann Arbor at 10:00 pm. On I-94, you run into a few pockets of traffic. Glancing at the speedometer occasionally, you note your speed fluctuates as in the table below.

minutes after 10:00	0	5	10	15	20	25	30
speed (mph)	50	71	65	42	35	70	74

- (a) (4 points) Using the information given, estimate your acceleration at 10:10. Be sure to include units.
- (b) (6 points) Approximately how far from your entrance onto I-94 are you at 10:30? Be certain to show how you arrived at your approximation, and again, give correct units.