

Quiz 12

MATH 139-02
Thursday, April 1, 2004

1. Evaluate $\sum_{i=2}^5 \frac{i^2 + 1}{i}$. You do not need to simplify your answer.

2. A car slows to a stop in 6 seconds. The velocity of the car at 2-second intervals appears in the table below.

Elapsed time (sec)	0	2	4	6
Velocity (ft/sec)	88	45	16	0

(a) Give upper and lower estimates for how far the car travelled during this time interval. **Be sure to show your work!**

(b) On a sketch of velocity against time, show the lower and upper estimates of part (a).