

235 Group Quiz 9

November 11, 2010

Name

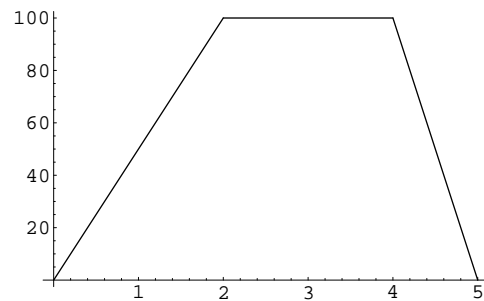
Section

Work in groups but do NOT split up problems or tasks. You must discuss each problem as a group and agree on a final answer. Hand in one quiz per group. You may use your class notebooks but no other materials or technology. Please keep your discussions quiet.

1. Suppose you drive on a racetrack for 5 minutes with velocity $v(t)$ as shown below in miles per hour. Calculate each of the following Riemann sums with $n = 5$. Write out each term in your sum clearly and then put a box around your final answer.

a) Right Sum

velocity of racecar



b) Midpoint Sum

c) Trapezoid Sum

d) Maximum Sum

e) How far, in miles, did you travel on the racetrack?