

My Avg. – 1200

■ (Calculator allowed) The rate of ice cream sales in a shop on a busy day is given by $R(t) = 2\sqrt{1+2t+8t^2}$ where t is measured in hours and $R(t)$ is measured in gallons per hours. On $0 \leq t \leq 6$, the average rate of sales of ice cream, in gallons per hour

A) 5.5

B) 5.8

C) 17.9

D) 34.7