## Answer on Question #73837 – Math – Calculus Question

Estimate the instantaneous rate of change of

 $y(t)=3t^2+1$  at the point t=-1

## **Solution**

$$y = 3t^2 + 1$$
,  $\frac{dy}{dt} = 6t$ ,  $\frac{dy}{dt}|_{t=-1} = 6(-1) = -6$ .

Answer: -6.

Answer provided by <a href="https://www.AssignmentExpert.com">https://www.AssignmentExpert.com</a>