# Answer on Question \#73837 - Math - Calculus Question 

Estimate the instantaneous rate of change of
$y(t)=3 t^{\wedge} 2+1$ at the point $t=-1$

## Solution

$y=3 t^{2}+1, \quad \frac{d y}{d t}=6 t,\left.\quad \frac{d y}{d t}\right|_{t=-1}=6(-1)=-6$.
Answer: -6.

Answer provided by https://www.AssignmentExpert.com

