Math102 Term172
Sec 38 Quiz 2

Name	ID	Sr

Q1)(5points) A particle moves along a line so that its velocity at time t is $v(t) = t^2 + 2t - 8$.(measured in meters per seconds).
Find the **distance** of the particle during the time period $1 \leq t \leq 3$

Q2)(5points) Evaluate the following integral

$$\mathrm{I} = \int_{0}^{1} (x-2)(x-1)^{9}\, dx$$

Q3) (5points) Find the integral

$$\mathrm{I} = \int \frac{\sin(2x)}{4 + \cos^2 x} \ln(4 + \cos^2 x)\, dx$$