<u>QUIZ♯1 Math102, sec 14</u>

<u>Net Time Allowed: 20 minutes </u>

Name: **ID ♯ :**   **Serial:**

<u>Exercise1:</u>

If f is a continuous function on $[a,\ x]$ such that : $\displaystyle\int_a^x e^t\, f(t)\, dt = a + x \sin x$, then find f.

Solution:

<u>Exercise2:</u>

Evaluate the Riemann sum for $f(x) = \sin x,\ \pi \leq x \leq 2\pi$ with four sub-intervals, taking the sample points to be the right end points.