Abstract. Let $I \subset R$ be an open interval, $f: I \to R$ a differentiable function with $f': I \to R$ convex, and $a, b \in I$, a < b.

In this note, by using a Taylor-type result regarding left-hand derivative, we prove the following formula

$$\lim_{n \to \infty} n^2 \left[\frac{b - a}{n} \sum_{i=1}^n f\left(a + (2i - 1) \cdot \frac{b - a}{2n}\right) - \int_a^b f(x) dx \right] = \frac{(b - a)^2 \left[f'(a) - f'(b)\right]}{24}$$

which is well-known for an other class of functions, see [1], Part II, Chap. 1, §2, namely for f twice differentiable with f" integrable on [a,b].

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North University of Baia Mare Department of Mathematics and Computer Science Str. Victoriei 76

4800 Baia Mare, ROMANIA B-mail: kovacsgabriella@yahoo.com