Math 102 Quiz 1

Name: **ID#** **Section#** **Serial#**

Q1: The area under the graph of $f(x)=\frac{x}{x+1}$ from $x=0$ to $x=3$ using three rectangles and right endpoints is approximately equal to

(a) $\frac{13}{6}$

(b) 2

(c) $\frac{3}{5}$

(d) $\frac{15}{7}$

(e) $\frac{23}{12}$

Q2: If $H(x)=\int_{\sqrt{x}}^{x^3} e^{t^2}dt$, then $H'(1)=$

(a) $\frac{3}{2}e$

(b) $\frac{2}{3}e$

(c) $-\frac{1}{5}e$

(d) 0

(e) $\frac{5}{2}e$