KFUPM – Department of Mathematics and Statistics – Term 111

MATH 102

QUIZ # 1 Code 1 (Duration = 15 minutes)

NAME:_____ ID:_____ Section: _____

Exercise 1 (5 points)

Using three rectangles and left endpoints the area under the curve $y = Lnx$ from 1 to 3 is approximately equal:

a/ $\frac{2}{3}Ln(\frac{35}{3})$	
b/ $\frac{2}{3}Ln(\frac{35}{9})$	
c/ $\frac{1}{3}Ln(\frac{35}{3})$	
d/ $\frac{2}{3}Ln(\frac{5}{3})$	
e/ $\frac{2}{3}Ln(\frac{7}{3})$	

Exercise 2 (5 points)

If $F(x) = \int_2^{x^3} (Lnt)dt$, then $F''(1)$ is:

a/ 0	
b/ 9	
c/ 18	
d/ 27	
e/ 3	

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QUIZ # 1 Code 2 (Duration = 15 minutes)

NAME:_____ ID:_____ Section: _____

Exercise 1 (5 points)

Using three rectangles and right endpoints the area under the curve $y = Lnx$ from 1 to 3 is approximately equal:

a/ $\frac{1}{3}Ln(\frac{35}{3})$	
b/ $\frac{2}{3}Ln(\frac{35}{9})$	
c/ $\frac{2}{3}Ln(\frac{35}{3})$	
d/ $\frac{2}{3}Ln(\frac{5}{3})$	
e/ $\frac{2}{3}Ln(\frac{7}{3})$	

Exercise 2 (5 points)

If $F(x) = \int_1^{e^{2x}} \frac{dt}{t}$, then $F''(1)$ is:

a/ e	
b/ 2	
c/ 0	
d/ 1	
e/ $\frac{1}{e}$	