King Fahd University of Petroleum and Minerals
Department of Mathematical Science
Math 102(05) Term 0025 Quizt#1

Name: _____ ID#:_____

Q1. Use definition of x_k^* as the **right endpoint** to find the area under the curve

$y = x^2 - 2$ over the interval $[1, 2]$

Q2. Find an equation of the curve that satisfies conditions. At each point (x, y) on the curve the slope is

$\frac{1}{x\sqrt{1-(\ln x)^2}}$; the curve passes the point $\left(1, \frac{\pi}{3}\right)$.