Math 001.04 **Quiz # 1** **Sem. I , Sep 29 , 2003**

Name :_____ **ID. # :** _____ **SER. # :** ____

1. Find the multiplicative inverse of the number $-.025$ (Simplify your answer) (1 pt)

2. For the set $\{-\frac{2}{3}\ ,\ \sqrt{16}\ ,\ \frac{\pi}{2}\ ,\ -\sqrt{-4}\ ,\ 24.161616\ldots\ldots\ ,\ \frac{0}{0}\ ,\ \frac{\sqrt{9}}{3}\ ,\ \sqrt{7}\}$, list (3 pts)

   the natural numbers: .....
   the integer numbers: .....
   the rational numbers: .....
   the irrational numbers: .....
   the real numbers: .....

3. If $1 < x < 2$, then write without absolute value bars and find :
   $|x-1| \ + \ |x-2| \ + \ |-x-3|$ (3 pts)

4. Find the value of: $-5^0 + \left(\frac{-2}{3}\right)^2 + \left(\frac{16}{81}\right)^{-\frac{3}{4}} - \frac{5^{-1}}{4^{-1}+5^{-1}}$ (3 pts)