## Solve the following problems by NRM:

Q1)

$$xy + x^2 - y^3 - 1 = 0$$
  
 $x + 2y - xy^2 - 2 = 0$ 

Q2)

$$\sin xy + e^y = 7.10964$$
$$(x+y)^2 - \cos(xy^2) = 24.1561$$

Q3)

$$e^{xy} + x^2 + y - 1.2 = 0$$
  
 $x^2 + y^2 + x - 0.55 = 0$ 

Q4)

$$\begin{cases} (x_1 + x_2 + x_3) \\ (x_1^2 + x_2^2 + x_3^2) \\ x_1^3 + x_2^3 + x_3^3 \end{cases} = \begin{cases} 3 \times 10^{-1} \\ .03 \\ 300 \times 10^{-5} \end{cases}$$

