I pledge to follow the Rules on Academic Honesty and understand that violations may lead to severe penalties. (Signature)

6) 
$$L(x) = \frac{P(x; H_1)}{P(x; H_0)} = \frac{e^{-\frac{1}{26^2}(x_n - A)^2}}{e^{-\frac{1}{26^2}(x_n)}} = e^{-\frac{1}{26^2}(x_n + A)^2}$$

Then
$$-\frac{1}{26^2} \left( \sum_{n=1}^{2} (x_n - A)^2 - \sum_{n=1}^{2} x_n^2 \right) > \ln(\Upsilon N P)$$

 $\frac{1}{2}\left(2(1+2)\right)\frac{A}{2}+\frac{6^{2}}{2A}\gamma M=\gamma$ 

1. The optimal decision for us would be that We should use the Sample mean