HW2 Part 1, Jordan milando, 1006538873 EXLEG-6) + 1(0-6) 3 + 1(0-6) 3] 3 = 6 Kb \ = \frac{1}{5} \phi(x_3^2 - 7 x_1 \text{1} + 2 \text{1} \t = $exp\{-\frac{1}{2}[\phi \sum_{i=1}^{2} \chi_{i}^{2} - 2\phi \Theta \sum_{i=1}^{2} \chi_{i} + \eta \phi \Theta^{2} + J\Theta^{2} - 2\theta \Theta J + J\Theta^{2}]\}$ $\times b/c$ of porportionality, we can remove term that do not include Θ X 6×68=7[0g(2+Ud)-760=x1 -700)]} $= exp\left\{-\frac{1}{2}(J+n\phi)\left[\Theta^{2}-\frac{1}{2}\Theta\left(\phi_{0}J+\phi_{1}^{2}X;J\right]\right\}$ * p(of peoportionality, we can agg term) to exp $\propto exp\{-\frac{1}{2}(J+n\phi)[\Theta^2-\lambda\Theta(\Theta_0J+\phi\tilde{\Sigma}_{Xi})+(\Theta_0J+\phi\tilde{\Sigma}_{Xi})^{\lambda}]\}$ * complet the 5quare = exp{ -1 (1+np) [0-00]+p\frac{1}{2}xi] }