PROBLEMA GULA II #2

$$\nabla^{2} \phi(\vec{r}) = \nabla \cdot \nabla \phi(\vec{r}) = \nabla \cdot \nabla \left(\frac{\Lambda}{Y^{\Lambda+2}\rho}\right)$$

$$= \partial_{i} \partial_{i} \left(\frac{\Lambda}{Y^{1+2}\rho}\right) = \partial_{i} \left[\partial_{i} (Y^{\Lambda-2}\rho)\right]$$

$$= \partial_{i} \left[(-\Lambda-2\rho) Y^{-2-2}\rho \partial_{i} (Y)\right] ; con \partial_{i} (Y) = \frac{X_{i}}{Y}$$

$$= -(\Lambda+2\rho) \left[X_{i} \left(\partial_{i} (Y^{-3-2\rho})\right) + \frac{(\partial_{i} X_{i})}{Y^{3+2\rho}}\right]$$

$$= -(\Lambda+2\rho) \left[X_{i} \left(\frac{-3-2\rho}{Y^{4+2}\rho}\right) + \frac{\delta_{ii}}{Y^{3+2\rho}}\right]$$

$$= -(\Lambda+2\rho) \left[X_{i} \left(\frac{-3-2\rho}{Y^{4+2}\rho}\right) + \frac{\delta_{ii}}{Y^{3+2\rho}}\right]$$

$$= -(\Lambda+2\rho) \left[-(3+2\rho) \frac{X_{i}}{Y^{4+2\rho}} + \frac{\lambda_{ii}}{Y^{3+2\rho}}\right], doubtle for each of the problem of the probl$$