$$| (x) + (x) | = | (x) | + (x$$

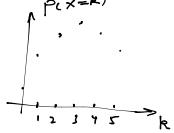
$$E(\sqrt{\gamma}) = \frac{\beta^{\frac{1}{2}} \Gamma(\alpha + \frac{1}{2})}{\Gamma(\alpha)} = \frac{\sqrt{\beta \pi}}{\beta(\alpha, \frac{1}{2})}$$

$$\frac{\text{note:}}{\Gamma(\frac{1}{2}) = \sqrt{\pi}}$$

$$E(\frac{1}{\gamma}) = \frac{\beta^{-1} \Gamma(\alpha - 1)}{\Gamma(\alpha)} \qquad \alpha > 1$$

$$E(\Upsilon') = \int_0^\infty y^k \frac{1}{2^{\frac{\nu}{2}} \Gamma(\frac{\nu}{2})} y^{\frac{\nu}{2} - i} e^{-\frac{\nu}{2}} dy$$

$$=\frac{2^{k}\Gamma(\frac{\vee}{2}+k)}{\Gamma(\frac{\vee}{2})}\qquad V>-2k$$



b) /2=0.0825

#31 )=2/hour