Caberbel Munam, 3.8 f(x)= 1 BX+1 [(X+1) x2 e-x/8 (d>-1, 8>0), x20 f(x)=0, x <0 $\mathcal{U}(x) = \int_{0}^{\infty} x f(x) dx = \int_{0}^{\infty} \frac{x^{d+2} e^{-x/\beta}}{\beta^{\alpha+1} / (\alpha+1)} dx = 0$ $\Gamma(n) = \int_{X}^{n-1} e^{-x} dx \quad \Gamma(n) = (n-1)!$ $\int \int (x) = \int x^{2} f(x) dx = \beta^{2} (d+1)^{2} = \int \frac{x^{2} + 2^{-x/\beta}}{\beta^{2} + 1} \int x - \beta^{2} (d+1)^{2} = \int \frac{y^{2} + 2^{-x/\beta}}{\beta^{2} + 1} \int \frac{y^{2} + 2^{-y}}{\beta^{2} + 1} \int \frac{y^{2} + 2^{-y$