

family income

asymmetric = stewed

100

Bill

bimoda)

of integration.

barrier

100

for 
$$(y)$$
 1

monotic

secreasiny

 $y > 0$ 
 $y > 0$ 

ebay t = GMB(bross Merchandise bought) in (0,T)

L) 
$$fg(y) = P(g = y)$$
 for all  $-\infty < y < \infty$ 

$$f_{\pi}(y) = PDF \quad CDF$$

$$f_{\underline{\gamma}}(y) \qquad PDF \qquad CDF$$

$$f_{\underline{\gamma}}(y) = P(\underbrace{\phi \gamma}_{\underline{\gamma}} + y)$$

$$= \int_{-\infty}^{y} f_{\underline{\gamma}}(x) dx$$

$$F_{\frac{\pi}{2}}(y) = P(Y \le y)$$

$$P(Y > y) = 1 - F_{\frac{\pi}{2}}(y)$$

$$P(Y, \angle Y \le y_a) = \int_{Y_a}^{Y_2} f_{\frac{\pi}{2}}(y) dy$$

$$F_{\frac{\pi}{2}}(y) = \int_{Y_a}^{Y_2} f_{\frac{\pi}{2}}(y) dy$$

$$f_{\frac{1}{2}}(y) = \int_{-\infty}^{\eta} f_{\frac{1}{2}}(k) dk$$

CDF of 
$$4:$$
 Fy  $(y) = \begin{cases} 0 & \text{for } y < 0 \\ 1 - e^{\lambda y} & y \ge 0 \\ (1 & \text{sin } y \to \infty) \end{cases}$ 

MMM4