Quie Problem 12

$$f_{\theta}(x) = \frac{2x}{6^2}$$
 because

IP
$$T = \frac{x}{Q}$$
 and $f(t) = 2t$ then

$$F_7(t) = \int_0^t at dt = t^2 \Big|_0^t = t^2$$

$$9(6) = 6^{2} = \left(\frac{x}{6}\right)^{2} \qquad \text{af} \quad y = \frac{x^{2}}{6^{2}}$$

$$y^{-1}(y) = \sqrt{\frac{x^2}{y}} = \frac{x}{\sqrt{y}}$$

Since of is fin creasing decreasing in D

$$L=g^{-1}(1-\frac{2}{2})=\frac{x}{\sqrt{1-\frac{2}{2}}}$$