

 $\frac{q}{2} - 1 \Rightarrow q = x$ $D F(x) = \int_{-x^{2}}^{1 - \frac{1}{x^{2}}} 1 \times 21$ 0 : otherwise $\frac{x}{1} \int_{t^{3}}^{2} dt = \left(\frac{-1}{t^{2}}\right|_{x}^{x} = \frac{-1}{x^{2}} + 1$ $P M = \int_{-x^{2}}^{x} 1 \times 2x dx = \int_{-x^{2}}^{x^{2}} 1 dx = \left(\frac{-\frac{1}{x}}{x^{2}}\right|_{x}^{x} = \frac{1}{x^{2}} + 1$ $E[x^{1}] = \int_{-x^{2}}^{\infty} 1 \times 2x dx = 2\left(\frac{1}{x^{2}} + \frac{1}{x^{2}}\right) = 2\left(\frac{1}{x^{$