$$P(x) = \frac{dP(x)}{dx}$$

$$\int_{-\infty}^{\infty} dP(s) = \int_{-\infty}^{\infty} P(s) ds$$

$$P(x) - P(dx) = \int_{-\infty}^{\infty} P(s) ds$$

$$P(x) = \int_{-\infty}^{\infty} P(s) ds$$

P(Ui) # (D)

f(E(x)) < E(f(x)) tx,+(1-t) X2 $f(tx, t(1-t)x_1) \leq tf(x_1) + (1-t)f(x_2)$ Adapted Process of the Mexico-exple.

ELMT Ft LIT

$$E\left(X_{t} \mid X_{s}\right)$$

$$E\left(X_{t} \mid X_{s}\right) = \left(X_{t} \mid X_{s}\right) + E\left(X_{s} \mid X_{s}\right)$$

$$N(0, 1t-s1) = X_{s}$$

$$\int_{0}^{\infty} f(\xi, x_{t}) dx_{t}$$

$$\int_{0}^{\infty} \int_{0}^{\infty} f(\xi, x_{t}) dx_{t}$$

$$\int_{0}^{\infty} \int_{0}^{\infty} f(\xi, x_{t}) (x_{t-1} x_{t-1}) | f(\xi) | f($$

 $F \int_{0}^{1} f(t, X_{t}) dX = \lim_{N \to \infty} \int_{0}^{1} f(t, X_{t}) f(t, X_{t}) dX = \lim_{N \to \infty} \int_{0}^{1} f(t, X_{t}) dX = \lim_{N$

145 Product Pule X, M processes satisfying 9x= a(2,4) 9x + 2(2,4) 9x = 212 9x= a(2,4) 9x + 2(2,4) 9x | 3x=0=34 + Jrt 9×9~ 9(xx)= 19x+x9x+75x9x