2). {Xt}. Stochastic process with mean furtin bit and autocovariance (0.1) k.
auto covariance (0.1)k.
(a) Is 1 At Stationary!
(0) Is {Xt} Stationary? No, N+ = 6t, depends on t.
(b). Yt = Xt - 4t. {Yt} Stationery?
No. E(Y4) = E(X+4+) = E(X4) - E(Y4) = 6+ -4+ =2+
de pands on t.
(c). Wt: Yt-2t. Wt? Stationary?
2. Cov (We, Were) = Cov (Xe-6t, Xex-6t+6k)
= Cor (X+, X++k) = 6 (0.1) K
, Y ₀ /
→ Yes '