Let's Standardite. $W = \frac{X - \mu}{(6/\sqrt{n})} \wedge N(0, 1)$ "lim" (W.) = Z~N(O,1) this is Snorthard for i.i.d. I Observe a random sample X, Xz, ..., Xn From a population with mean μ and variance $\sigma^2 < \infty$. Let $W_n = \overline{X} - \mu = (\Sigma x_i) - (n\mu)$ Then Wn -> ZNN(0,1) os n-> a. Note

1) " = " converges in dist. means that

lim G(y) = G(y) for all y

no a " (ie. the sequence of furction conveys pointwise) 2) If $M_n(t) \rightarrow M(t)$ on (-8,8), then Wn dow) Q. What's "lin"? Q2 What : F Xi one not normal?