b) This is a generalized case of the provious greation. All ajs are constant Var (M") = Var (= (at+1-t)yt) Var (a_{T+1}-t · yt) (we can add variances to T-N+1 since data is uncorrelated) = = (a T+1-t) Var (yt) as are constant $t = 1 - N \cdot 1$ t = 7 = = $(a_{T+1} - t)^2 \cdot 6^2 \text{ all } y_t \text{ have some } variance$