

HW 4-3

- ① Let $\varphi_n(t) = t^n(1-t)$, $0 \leq t \leq 1$. Prove that $\varphi_n \rightarrow 0$ uniformly.
- ② Given real numbers a_1, a_2, \dots, a_p , find the minimum of $S(x) = \sum_{j=1}^p (x - a_j)^2$.