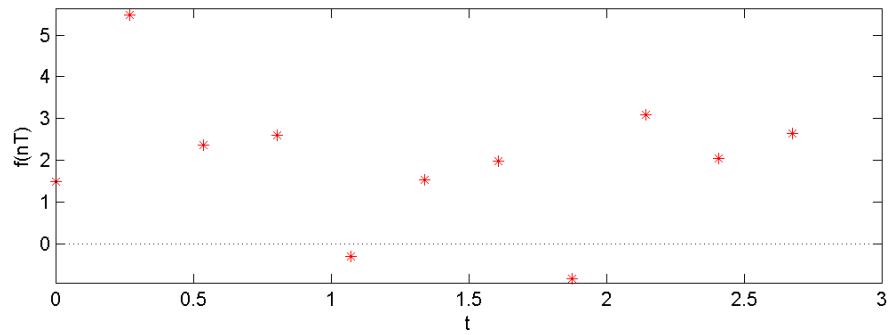
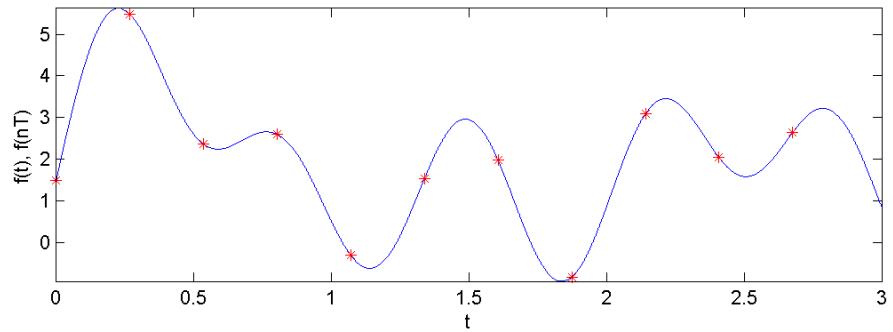


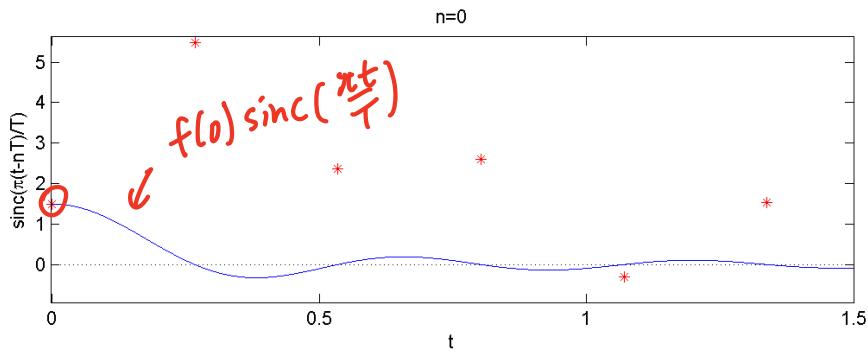
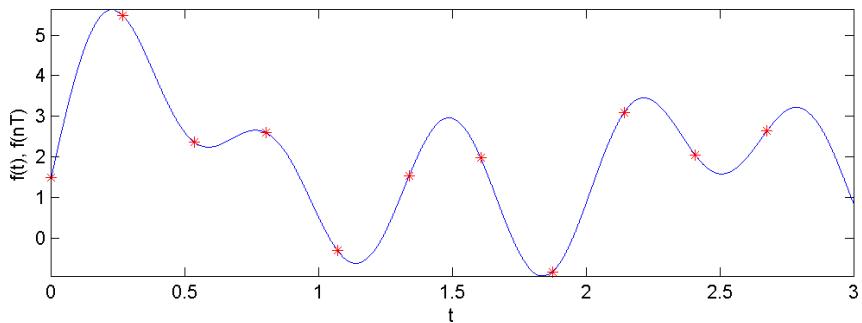
\* corresponds to samples  $f(nT)$

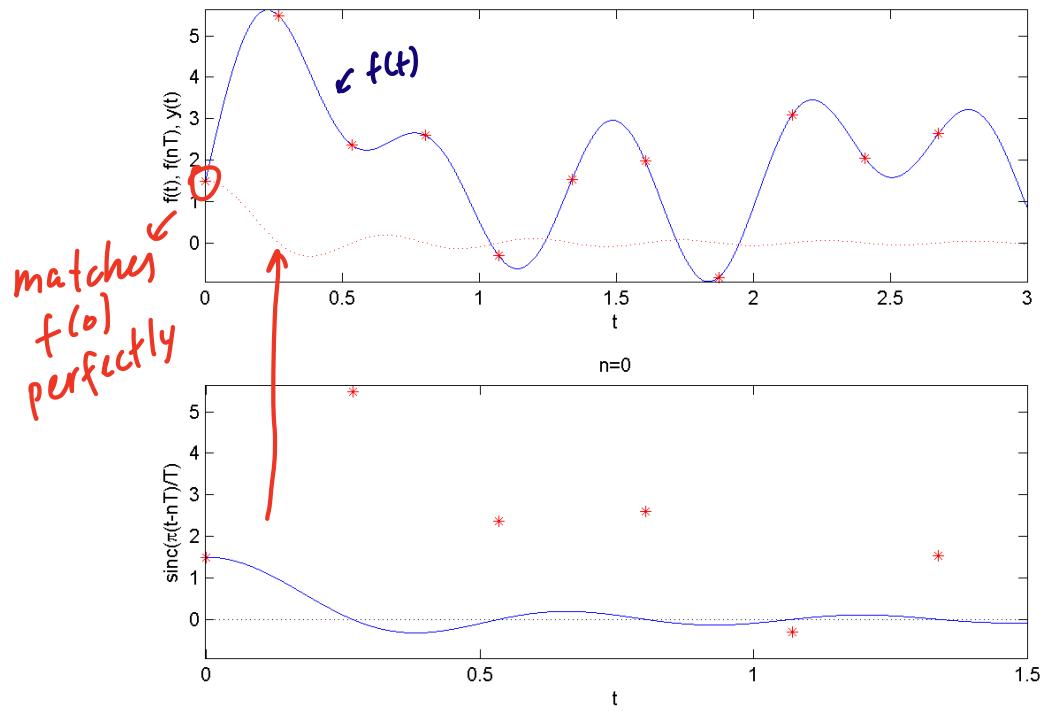
$$y(t) = \sum_{n=-\infty}^{\infty} f(nT) \operatorname{sinc}\left(\frac{\pi(t-nT)}{T}\right)$$

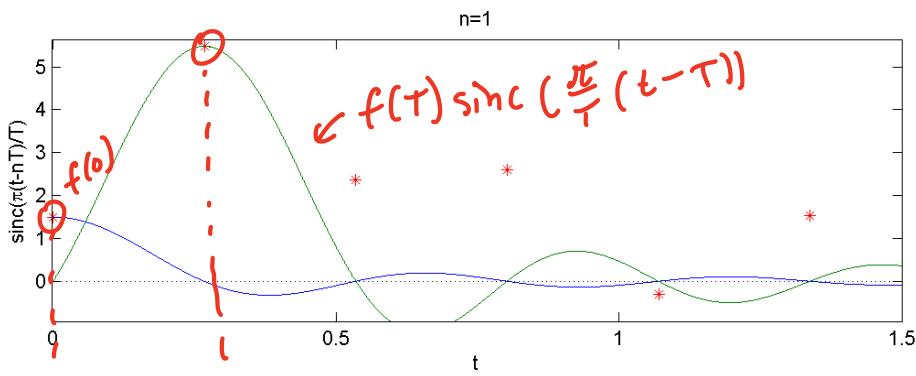
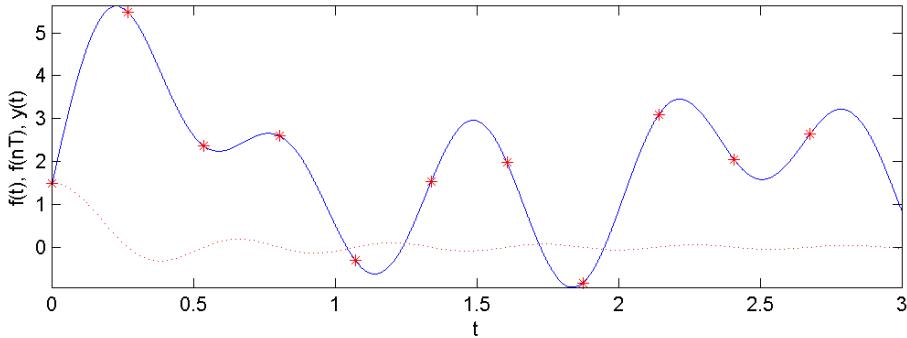
reconstruction formula

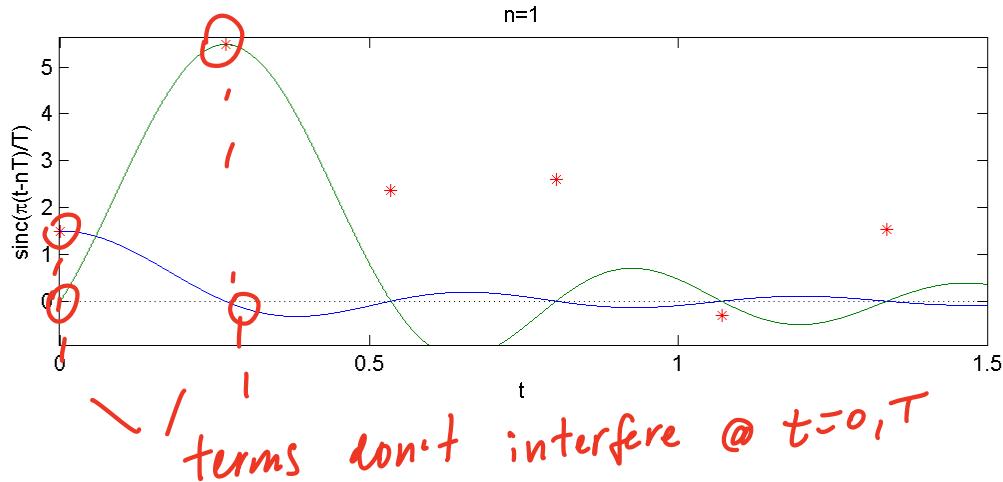
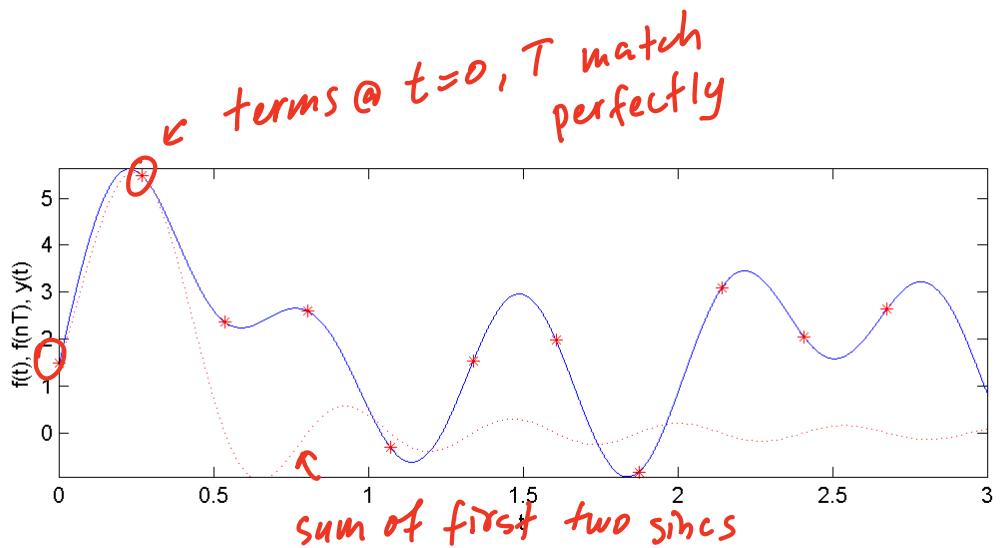
$$f(0) \operatorname{sinc}\left(\frac{\pi}{T}t\right) + f(T) \operatorname{sinc}\left(\frac{\pi}{T}(t-T)\right) + \dots$$

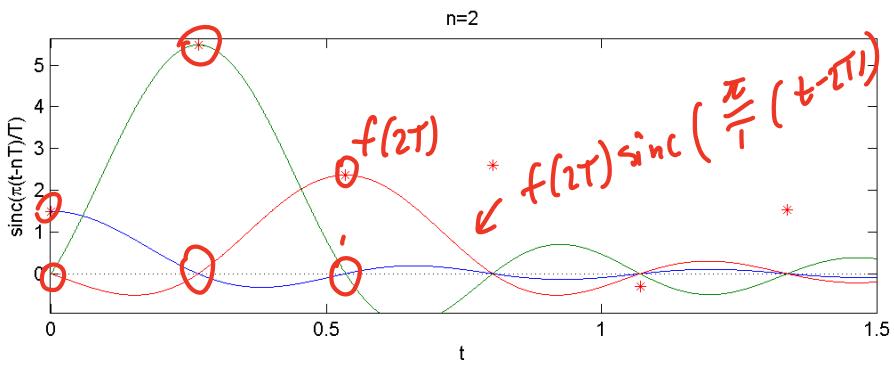
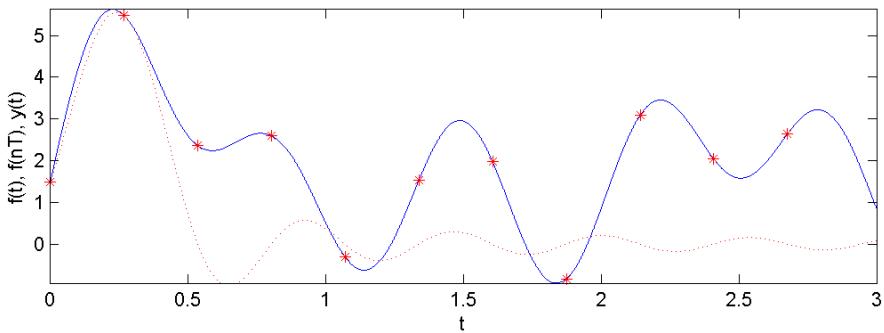




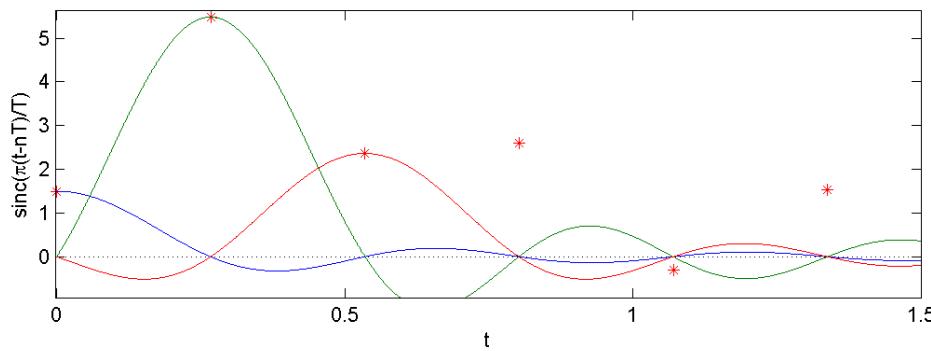
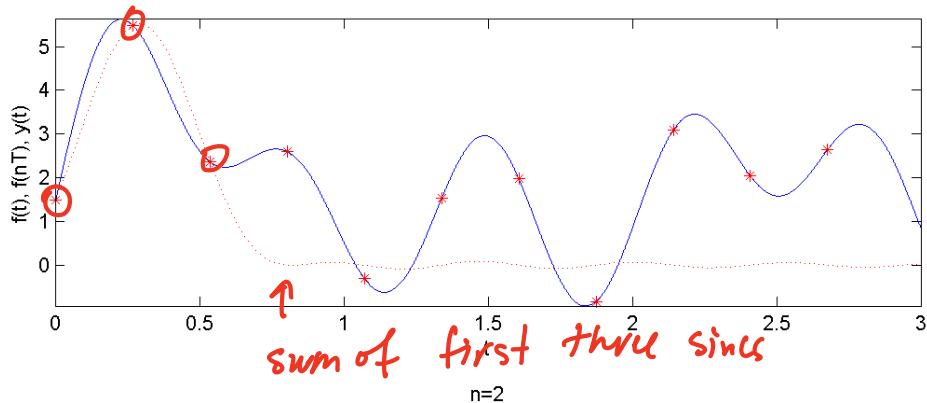


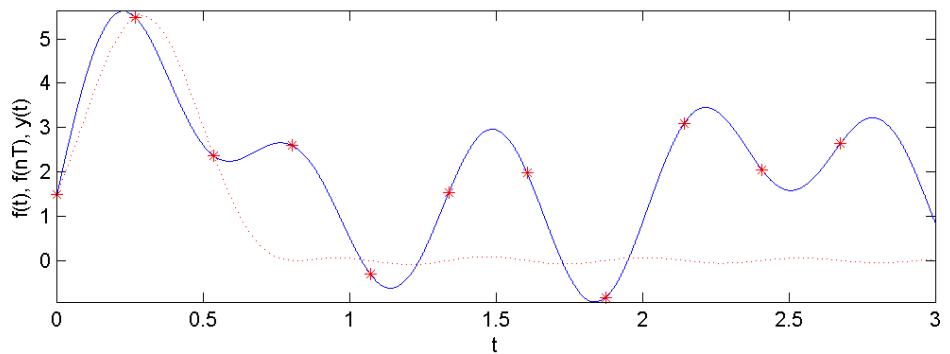




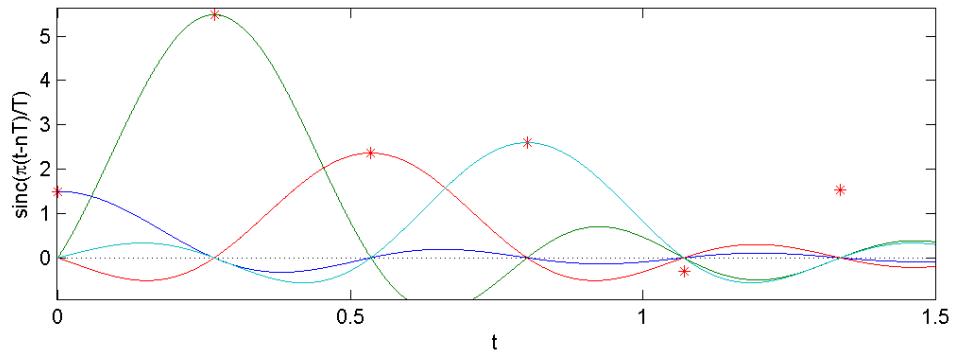


↙ match at  $t=0, T, 2T$  perfectly





$n=3$



Perfect reconstruction

