Lecture Quiz	To Accompany: Discrete Fourier Transforms
Landau, Pàez & Bordeianu,	Computational Physics, Wiley-VCH

- 1. What is the difference between a discrete Fourier transform (in which the integrals are approximated by sums) and a Fourier series?
- 2. What ambiguity arises from measuring a signal for only a finite length of time T?
- 3. How is that ambiguity removed in the DFT method?
- 4. In the DFT method, what is the period of the Fourier transform  $Y(\omega_n)$ ?
- 5. What should the person who measures the signal do in order to obtain a smoother Fourier transform?
- 6. What should the person who measures the signal do in order to obtain a Fourier transform that is more accurate at high frequencies?