

Consider Example 13.8 in the textbook

- (a) Plot the function $f(x)$ on $[-2\pi, 2\pi]$
- (b) Calculate the Fourier coefficients of $f(x)$ on $[-2\pi, 2\pi]$
- (c) Plot $f(x)$ on $[-2\pi, 2\pi]$ and the Fourier series of $f(x)$ on $[-2\pi, 2\pi]$
- (d) Discussions