

- 1) Let $f(x) = 4$, $-3 \leq x \leq 3$, plot the function and find its Fourier series
(Section 13.2 Problems 1.)

- 2) Let $f(x) = 4$, $0 \leq x \leq 3$, plot the function and find its Fourier cosine series and Fourier sine series, respectively.
(Section 13.4 Problems 1.)