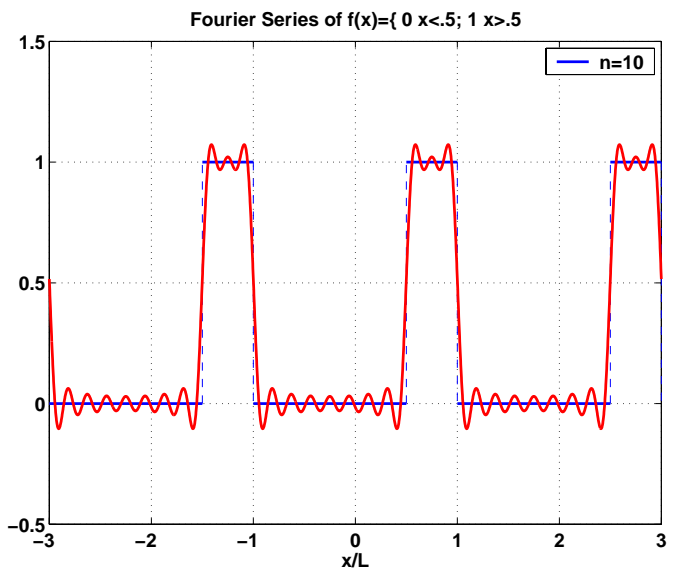
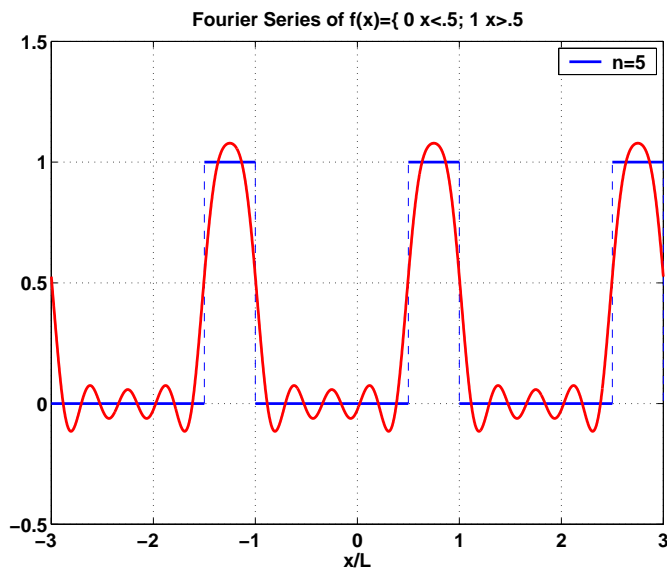
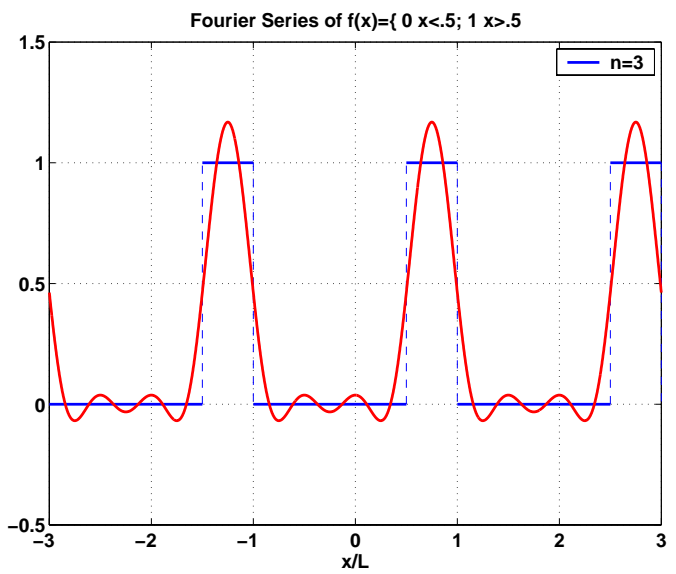
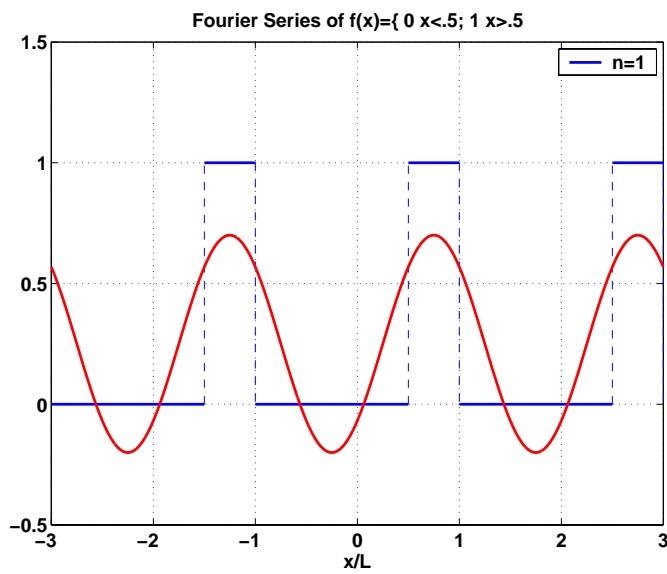


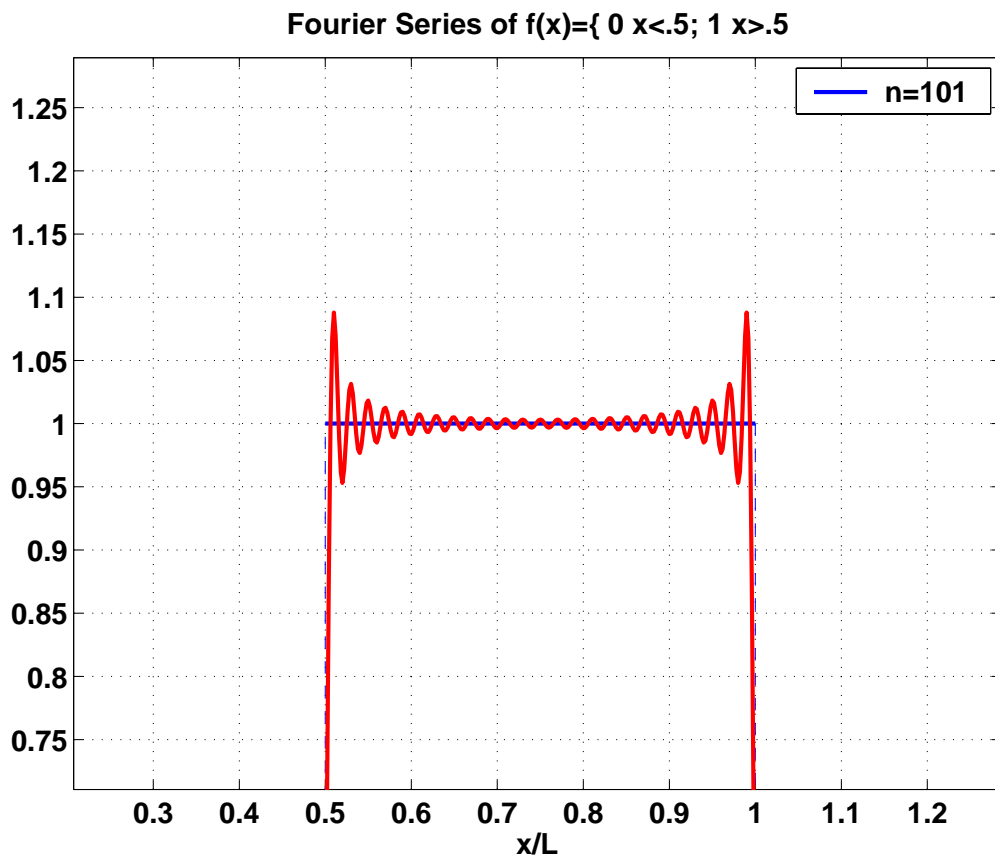
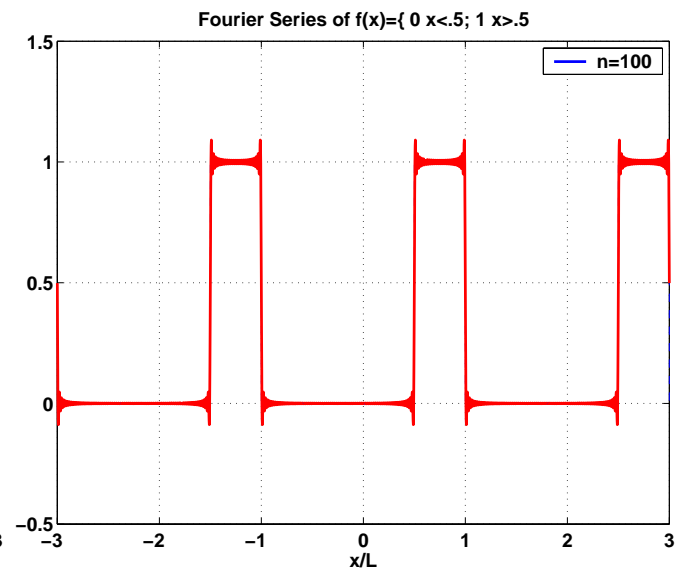
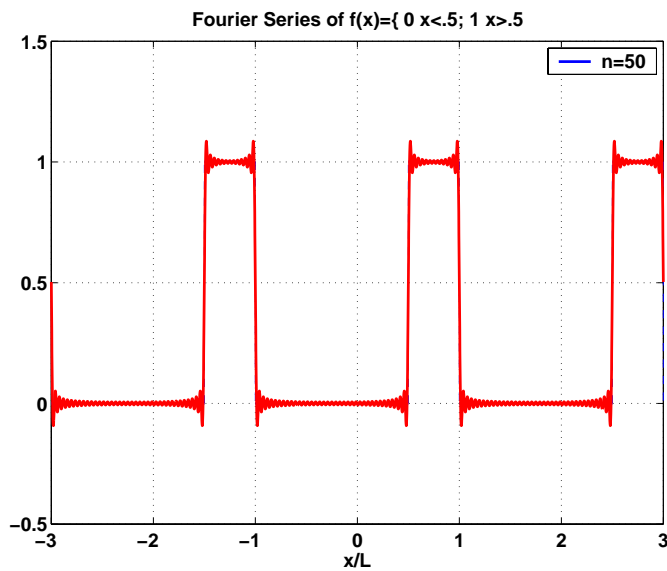
# Fourier series of

$$f(x) = \begin{cases} 0 & x < 1/2 \\ 1 & x > 1/2 \end{cases}$$



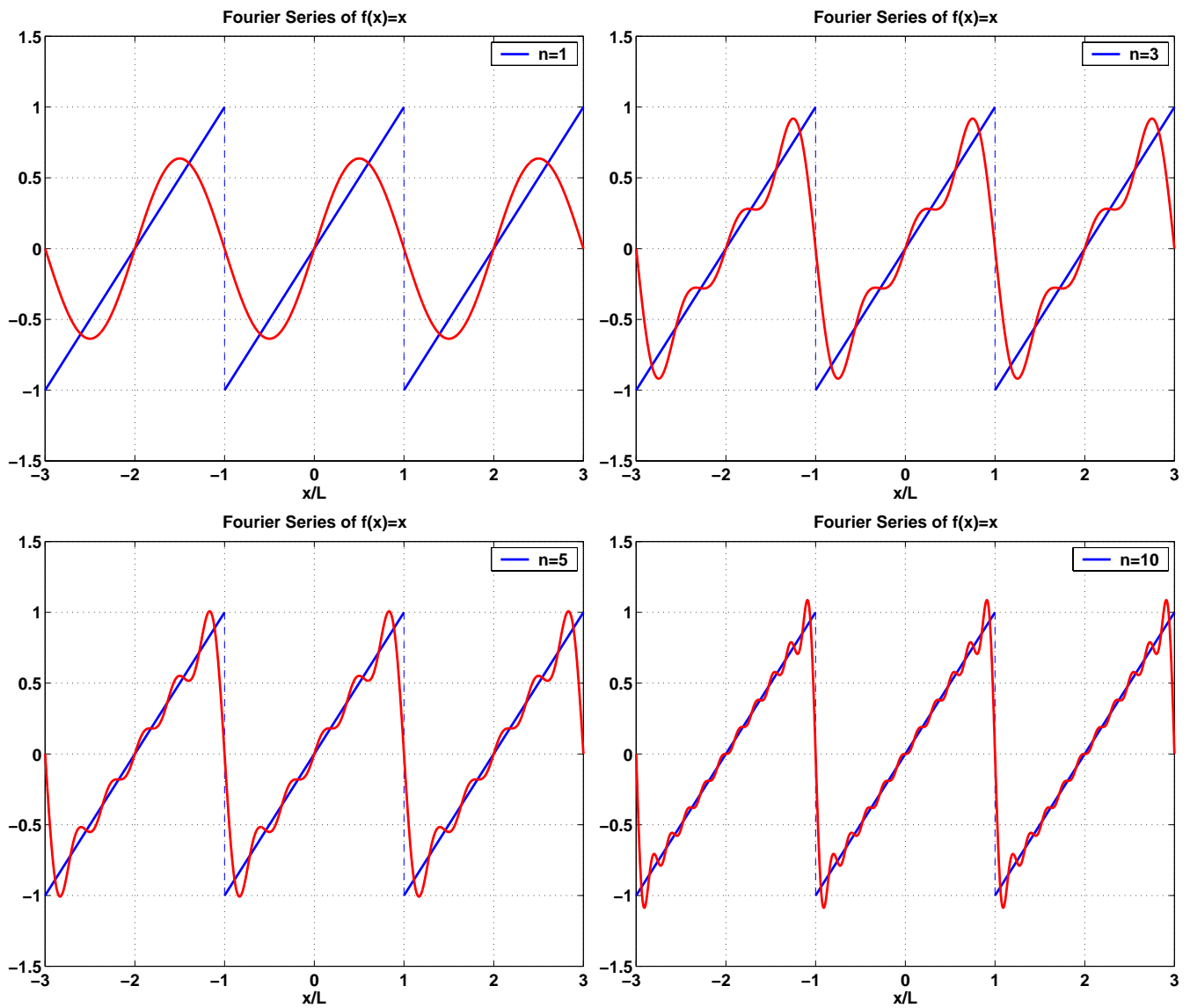
# Fourier series of

$$f(x) = \begin{cases} 0 & x < 1/2 \\ 1 & x > 1/2 \end{cases}$$



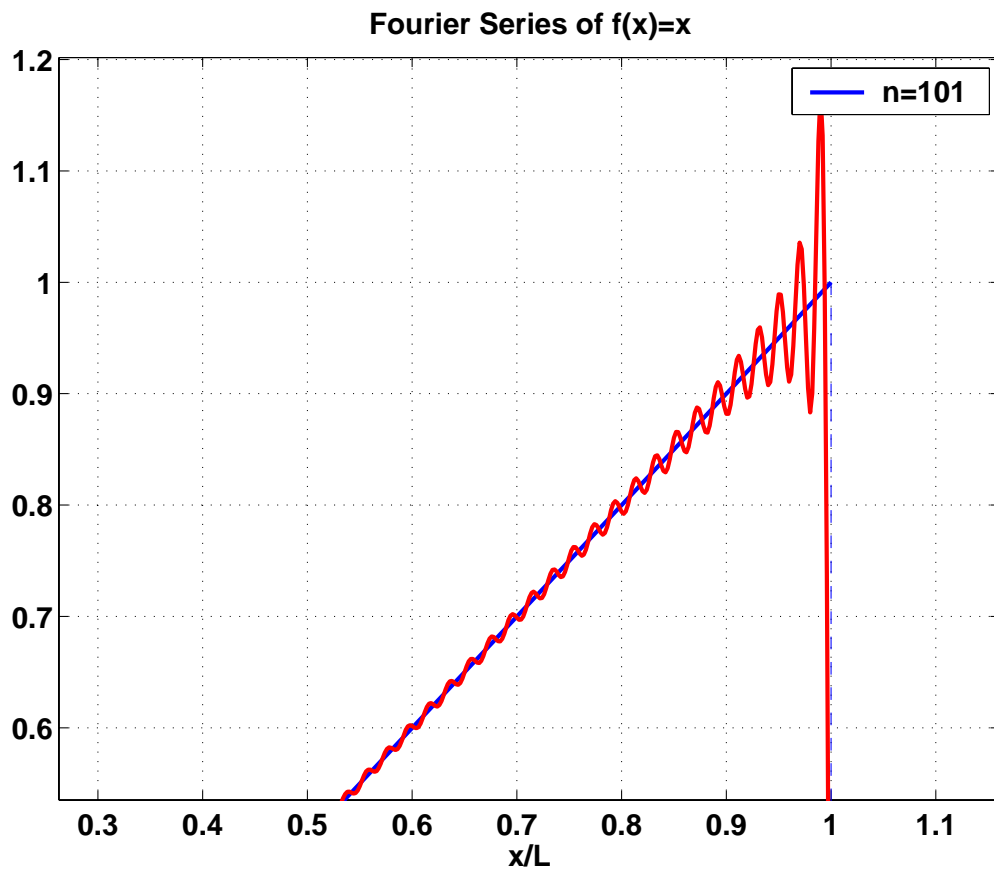
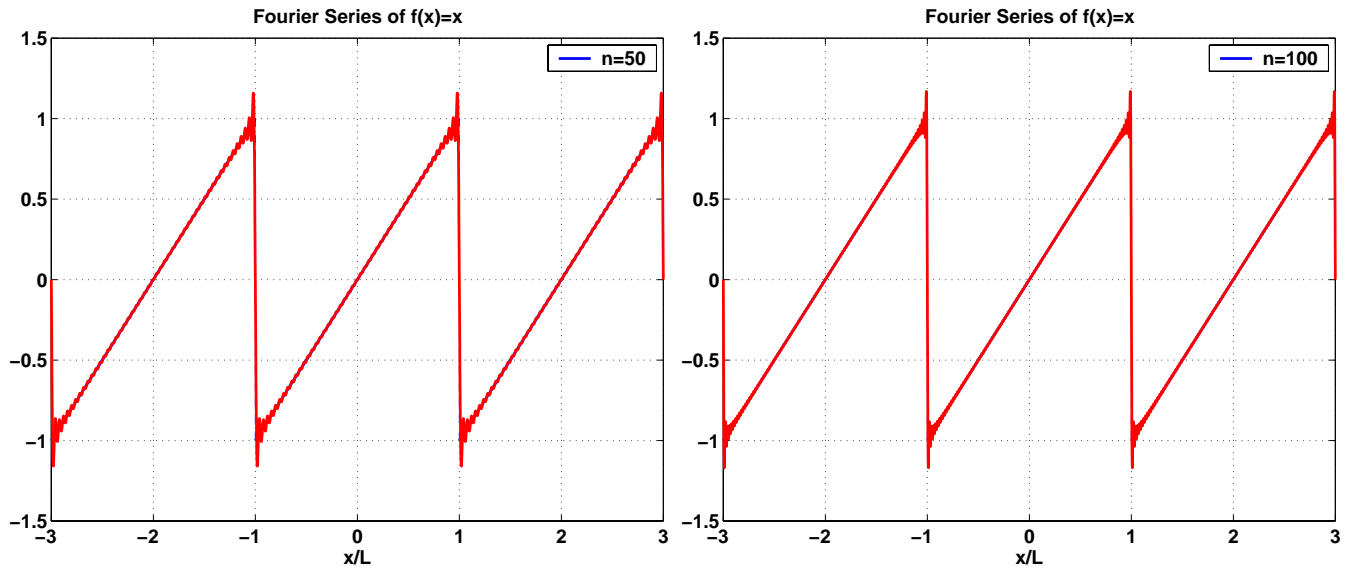
# Fourier sine series of

$$f(x) = x$$



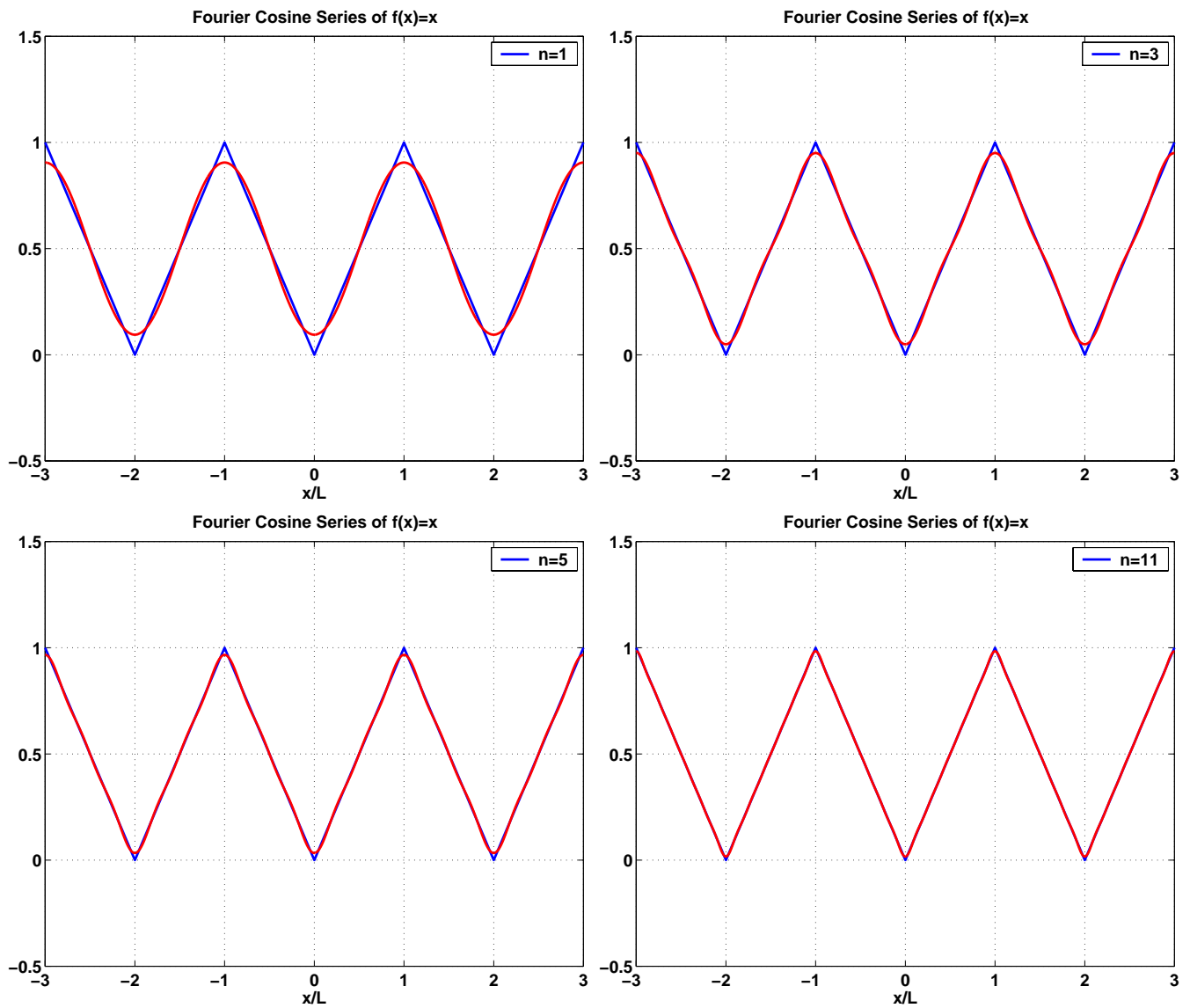
# Fourier sine series of

$$f(x) = x$$



# Fourier cosine series of

$$f(x) = x$$



# Fourier cosine series of

$$f(x) = x$$

