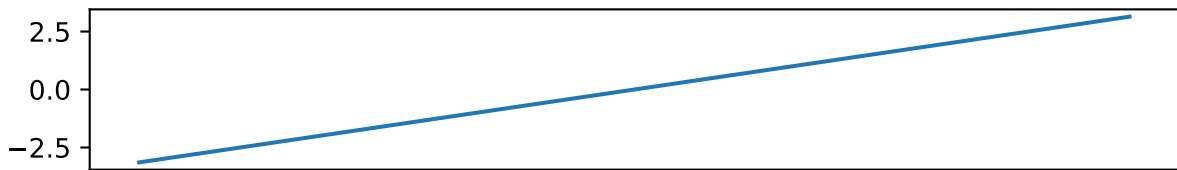
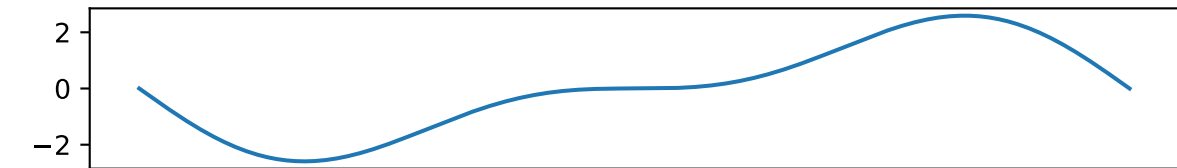


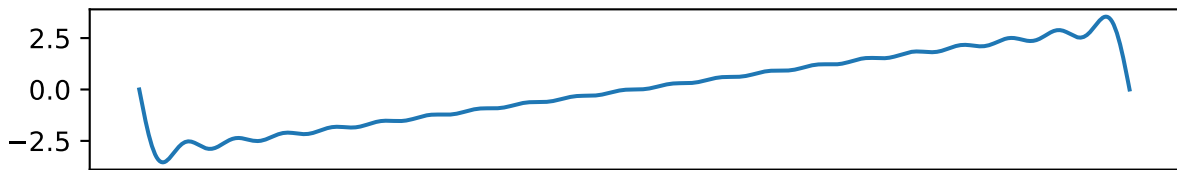
sawtooth: $f(x)$



sawtooth: Fourier series, $N = 2$



sawtooth: Fourier series, $N = 20$



sawtooth: Fourier series, $N = 200$

