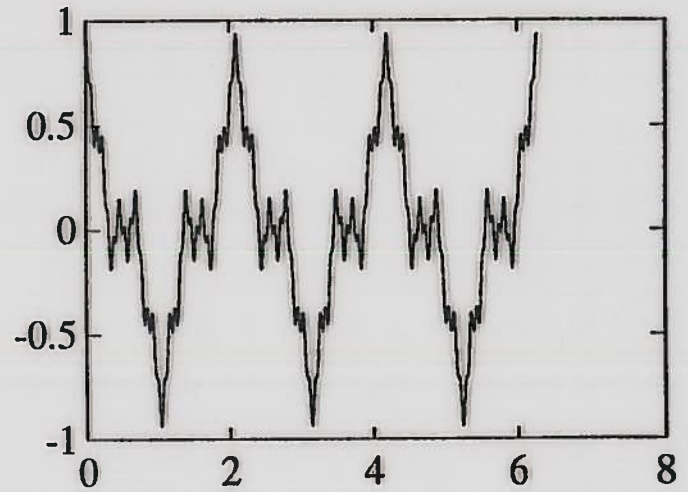
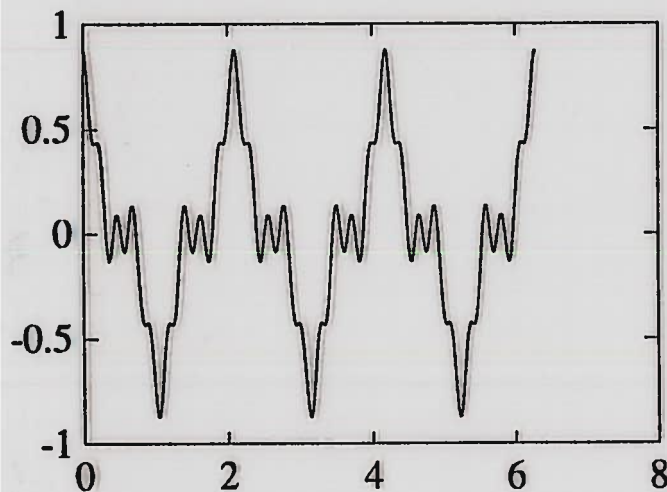
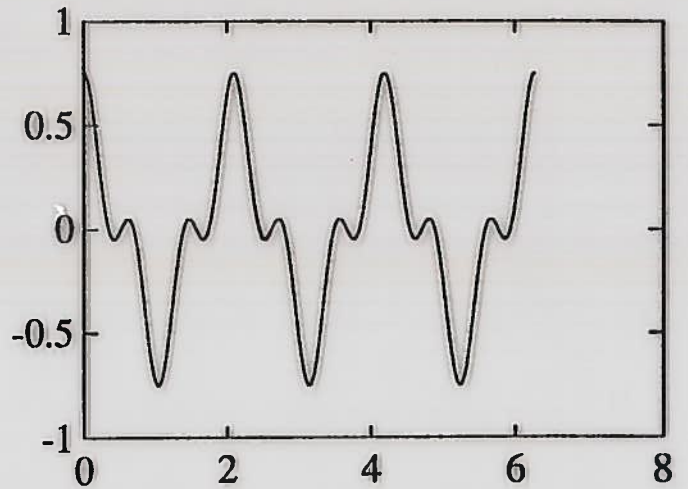
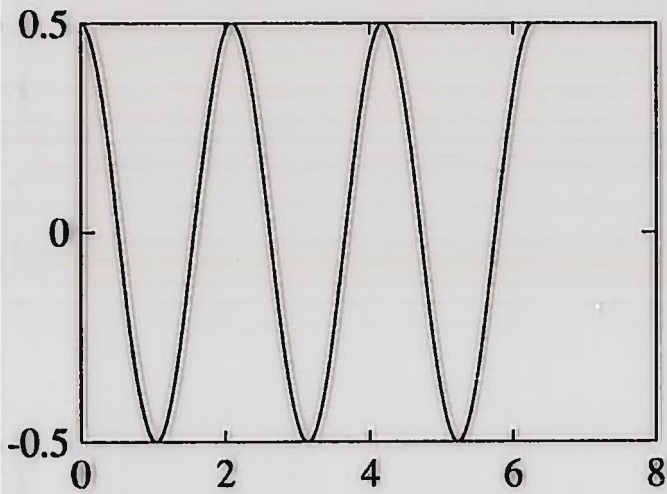


WEIERSTRASS

CONTINUOUS, NOWHERE DIFFERENTIABLE



$$f(x) = \sum_{n=1}^{\infty} \frac{\cos(3^n x)}{2^n} = \frac{\cos 3x}{2} + \frac{\cos 9x}{4} + \frac{\cos 27x}{8} + \frac{\cos 81x}{16} + \dots$$