MATH 3503 - Assignment 5

Due: March 31, 2025

1 **Write the Fourier Series for the sawtooth wave function $f(t) = t + 2$ over the interval [-2, 2].**

2 **Write the Fourier Series for the function $f(t) = 4 - t^2$ over the interval [-2, 2].**

3 **Write the Fourier Series for the function $f(t) = sin(2t)$ over the interval $[-\pi, \pi]$.**