MAT216 (Linear Algebra and Fourier Analysis) BONUS Assignmnet

Deadline: 30 September, Monday.
***You MUST submit your assignment in the Google Classroom assignment section. Otherwise, your assignment will not be counted

---

1. Consider the function

$$f(x) = x - x^2$$

   (a) Determine whether $f(x)$ is even, odd, or none.
   (b) Find the Fourier Series of $f(x);\ -\pi < x < \pi$