MAT133

WRITTEN HOMEWORK 4 **Due: Sunday, July 16, 2023 at 11:59pm**

All solutions to be written in appropriate details. Please submit your solution to Crowdmark.

NOTE: *This version contain solutions to the problems. Solutions are not written in best details, so students are expected to fill in some of these gaps in their submissions.*

Question 1. Let f and g be the functions with the graphs given below.

Evaluate the following limits:

- $\lim\limits_{x\to 5} g\big(5f(x)\big)$
- $\lim\limits_{x\to -3^+} g\big(f(x)\big)$
- $\lim\limits_{x\to -2^-} g\big(f(x)+5\big)$

Explain your steps.



