

MATH2050C Assignment 10

Deadline: April 2 , 2024.

Hand in: 5.1 no. 4ac, 5; 5.2 no. 1ac, 12, 13, 15; Suppl Problem 1ab.

Section 5.1 no. 3, 4ac, 5, 8, 13.

Section 5.2 no. 1bc, 4, 7, 12, 13, 15.

Supplementary Problems

1. Determine the largest domain on which the function is defined and study its continuity.

(a) $\sin x/x$.

(b) $\sqrt{\frac{x+6}{x+1}}$.

(c) $\operatorname{sgn}(x^2 - x - 2)$.

(d) $e^{1/\sin x}$.