Take Home Quiz 4 Fall2023 Answers



$$\sim 1^{\circ}$$



7.
$$\sum_{k=1}^{\infty} 2023 = 2023 + 2023 + 2023 + 2023 + 2023 + 1...$$

(Diverges by GST because $|r| = |1| = |2|$
OR
1. Diverges by NTDT because $\lim_{N \to \infty} 2023 = 2023 \pm 0$
N = 100
N = 1000
N = 1