

Q 1. Find the absolute extreme values of $f(x) = 2x^3 - 6x + 1$ on $[-2, 0]$ and where they occur.

Q 2. Find the value(s) of c that satisfies the conclusion (result) of Mean Value Theorem for $f(x) = x^3 - x$ on $[-1, 0]$.

Q 3. Find the critical point(s) of $f(x) = 2 \sin x + x$ on $[0, 2\pi]$. (*Use other side of the paper*)

Q 1. Find the absolute extreme values of $f(x) = x^3 - 6x^2$ on $[-1, 1]$ and where they occur.

Q 2. Find the value(s) of c that satisfies the conclusion (result) of Mean Value Theorem for $f(x) = 1 + x^2 - x^3$ on $[0, 1]$.

Q 3. Find the critical point(s) of $f(x) = 2 \cos x + x$ on $[0, 2\pi]$. (*Use other side of the paper*)