

Quiz 3

Nov 12, 2015

Show all details.

1. Find an approximate value of $\sqrt[3]{1.009}$ and show that the error of the approximation is smaller than 10^{-5} .
2. Show that, if Rolle's Theorem is true, then the Mean Value Theorem is true.
3. Let $f(x) = x^{2/3}(3 - x)$. Find absolute max and min of f on $[-3, 3]$. Show all details.
4. Graph $y = \frac{1}{x^2-1}$. Show all details.

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