

King Fahd University of Petroleum and Minerals
Math. & Stat. Department
163-Math 101 Quiz (6)

Name	ID	SEC 12
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Q1) If $1200m^2$ of material is used to construct a rectangular box with a square base and an open top, then what is the largest possible volume of the box?

Q2) Using Newton's method to approximate $\sqrt[3]{4}$, and taking $x_1 = 1$ as the first approximation, find the third approximation.