

King Fahd University of Petroleum and Minerals
Math. & Stat. Department
142-Math 102 Quiz (1)

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| Name | ID | SEC |
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Q1) Evaluate $\int (1+x)\sqrt{4-x} \, dx$

Q2) Evaluate $\int \frac{1-\tan x}{1+\tan x} \, dx$

Q3) If $f(x) = \int_{x^2}^{3x^2} \sqrt{\sin t} \, dt$, find $f'(\sqrt{\pi/6})$.