

KFUPM

Math101

Quiz#3

Sec.#32

Name:

Serial#:

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**Q1.** Find an equation of tangent line to the curve  $y = x^2 - 2x + 2$  pass through the point (2, 1)

Q2. Find the limit  $\lim_{x \rightarrow 0} \frac{\sin 2x + \cos x - 1}{2x - \tan x}$