## Department of Mathematics and Statistics, KFUPM

Math-101 Semester-151 QUIZ II

NAME: S.No. ID:

Time Allowed: 25 minutes

- Maximum Marks: 8 Section: (1) Evaluate  $\lim_{x\to 2} \frac{\sqrt{(6-x)}-2}{\sqrt{(3-x)}-1}$ .
- (2) Use the  $\epsilon, \delta$  definition of limit to show that  $\lim_{x\to 2} \frac{3x^2 10x + 8}{x 2} = 2$ . (3) Sketch the graph of  $f(x) = x [x], -3 \le x < 3$ .