

KFUPM – Department of Mathematics and Statistics – Term 171

MATH 101

QUIZ # 5: Code 1 (Duration = 20 minutes)

NAME: _____ ID: _____ Section: _____

Exercise 1 (5 points) Show that the equation $x^5 + 5x - 2 = 0$ has exactly one real root.

Exercise 2 (5 points) Find the local extremums to the curve $y = (x - 2)\sqrt{x}$

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QUIZ # 5: Code 2 (Duration = 20 minutes)

NAME: _____ ID: _____ Section: _____

Exercise 1 (5 points) Find the local extremums to the curve $y = (x - 1)\sqrt{x}$

Exercise 2 (5 points) Show that the equation $x^9 + 9x - 2 = 0$ has exactly one real root.