KFUPM – Department of Mathematics and Statistics – Term 153

MATH 101

QUIZ # 6: Code 1 (Duration = 20 minutes)

NAME:_____ ID:_____ Section: _____

Exercise 1 (6 points) Find the area of the largest equilateral triangle that can be inscribed in a semi-circle of radius R if the height of the triangle lies in the Y-axis.

Exercise 2 (4 points) Use the Newton's method to approximate $\sqrt{10}$

KFUPM – Department of Mathematics and Statistics – Term 153

MATH 101

QUIZ # 6: Code 2 (Duration = 20 minutes)

NAME:_____ ID:_____ Section: _____

Exercise 1 1 (3 points) Use the Newton's method to approximate $\sqrt{17}$

Exercise 2 (6points) Find the area of the largest equilateral triangle that can be inscribed in a semi-circle of radius R if the height of the triangle lies in the Y-axis.