

KFUPM – Department of Mathematics and Statistics – Term 173

MATH 101

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

NAME: _____ ID: _____ Section: _____

Exercise 1 (10 points)

Find the dimensions of the rectangle with maximum area that can be inserted in an equilateral triangle if one side of the rectangle lies on the base of the triangle.

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

NAME: _____ ID: _____ Section: _____

Exercise 1 (10 points)

Find the dimensions of the right circular cylinder with maximum volume that can be inserted in a sphere of radius R .