

KFUPM – Department of Mathematics and Statistics – Term 191

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 inscribed in a right circular circle of radius R .

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MATH 101

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

NAME: _____ ID: _____ Section: _____

Exercise 1 (10 points)

Find the dimensions of the rectangle with maximum area that can be inscribed in the right triangle of vertices $(0, 0)$, $(0,3)$, $(4,0)$.