KFUPM – Department of Mathematics and Statistics – Term 111

MATH 102

QUIZ5 # Code 1 (Duration = 20 minutes)

NAME:_____ ID:_____ Section: _____

Exercise 1 (5 points)

Find the power series representing the function $f(x) = \dfrac{x}{4+x}$ is

Exercise 2 (5points). Find the area of the surface of the revolution obtained by rotating the curve $y = x^2$ from 0 to $\sqrt{2}$ about y -axis.

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MATH 102

QUIZ # 5 Code 2 (Duration = 20 minutes)

NAME:_____ ID:_____ Section: _____

Exercise 1 (5points). Find the area of the surface of the revolution obtained by rotating the curve $y = x^2$ from 0 to $\sqrt{2}$ about y -axis.

Exercise 2 (5 points)

Find the power series representing the function $f(x) = \dfrac{x^2}{3+x}$.