KFUPM – Department of Mathematics and Statistics – Term 133

MATH 260

QUIZ # 2 Code 1 (Duration = 20 minutes)

NAME:_____

ID:_____ Section: _____

Exercise 1 (5 points)

Solve the differential equation $xy' - y = x^2 y^2$

Exercise 2 (5 points)

Solve the differential equation $(2xy + y^2)dx + (x^2 + 2xy)dy = 0$

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MATH 260

QUIZ # 2 Code 2 (Duration = 20 minutes)

NAME:_____

ID:_____ Section: _____

Exercise 1 (5 points)

Solve the differential equation $xy + y = x^3 y^3$

Exercise 2 (5 points)

Solve the differential equation $(y^2 - 4xy)dx - (2x^2 - 2xy)dy = 0$