KFUPM – Department of Mathematics and Statistics – Term 152

MATH 202

QUIZ # 1 Code 1 (Duration = 20 minutes)

NAME:_____ ID:_____ Section: _____

Exercise 1 (5 points)

Solve the differential equation $(y^2 - 3y + 2)dx - dy = 0$ and find all singular solutions.

Exercise 2 (5 points)

Solve the differential equation $(x + y)dx - xdy = 0$ (**show all your steps**)

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QUIZ # 1 Code 2 (Duration = 20 minutes)

NAME:_____ ID:_____ Section: _____

Exercise 1 (5 points)

Solve the differential equation $(y^2 - 5y + 6)dx - dy = 0$ and find all singular solutions.

Exercise 2 (5 points)

Solve the differential equation $ydx - (x + y)dy = 0$ (**show all your steps**)