KFUPM – Department of Mathematics and Statistics – Term 162

MATH 202

QUIZ # 3 Code 1 (Duration = 20 minutes)

NAME:_____ ID:_____ Section: _____

Exercise 1 (5 points)

Solve the differential equation $y''-y=2\sinh x$

Exercise 2 (5 points) Solve the differential equation $x^2y''-xy'=x^3$ if $y_1=1$ is one solution of the homogeneous associated equation.

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QUIZ # 3 Code 2 (Duration = 20 minutes)

NAME:_____ ID:_____ Section: _____

Exercise 1 (5 points)

Solve the differential equation $y''-y=2\cosh x$

Exercise 2 (5 points) Solve the differential equation $x^2y''-xy'=x^3$ if $y_1=\frac{x^2}{2}$ is one solution of the homogeneous associated equation.