

KFUPM – Department of Mathematics and Statistics – Term 181

**MATH 202**

**QUIZ # 2 Code 1** (Duration = 20 minutes)

NAME: \_\_\_\_\_ ID: \_\_\_\_\_ Section: \_\_\_\_\_

**Exercise 1** (5 points) Solve the DE  $(2xy - 3\cos^2(x))dx + (x^2 - 3\sin^2(y))dy = 0$

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**Exercise 2** (5 points) Solve the DE  $(2y - x^2y^4)dx + xdy = 0$

NAME: \_\_\_\_\_ ID: \_\_\_\_\_ Section: \_\_\_\_\_

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**Exercise 1** (5 points) Solve the DE  $(2xy - \cos^2(y))dx + (x^2 + x\sin(2y))dy = 0$

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**Exercise 2** (5 points) Solve the DE  $(2x - y^2x^4)dy + ydx = 0$