

King Fahd University of Petroleum & Minerals
Department of Mathematics & Statistics
Math 202-02 Semester 162 Quiz # 2

Name: _____ ID#: _____

Exercise: Solve the differential equation

$$\frac{dy}{dx} + xy = 0$$

Exercise: Is the differential equation

$$2xydx - y^2dy = 0$$

exact ? If not, find an integrating factor $\mu(y)$, then solve the differential equation.