

King Fahd University of Petroleum and Minerals
Math. & Stat. Department
171-Math 202 Quiz (2)

Name	ID	SEC
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Q1) Find the general solution of the DE $(x + 2)^2 y' = 5 - 8y - 4xy$. Give the largest interval I over which the general solution is defined.

Q2) Solve the DE $6xydx + (4y + 9x^2)dy = 0$.

Q3) Solve the differential equation $x^2 \frac{dy}{dx} + y^2 = xy$.