King Fahd University for Petroleum and Minerals

Department of Mathematics & Statistics

Math 101 (14) Term 132

Quiz#6 (3.5, 3.6, and 3.7)

Family Name:

S.r#

Q1. Find
$$y'$$

 i . $y = \csc^3(e^{2x})$

Q2. If
$$x^3 + y^3 = 16$$
, find $\frac{d^2y}{dx^2}$ at (2,2)

$\boldsymbol{K}ing\ \boldsymbol{F}ahd\ \boldsymbol{U}niversity\ for\ \boldsymbol{P}etroleum\ and\ \boldsymbol{M}inerals$

Department of Mathematics & Statistics

Term 132 Math 101 (08)

Quiz#6 (3.5, 3.6, and 3.7)

Family Name:

S.r#

Q1. Find y'

$$i. \quad y = \sec^3(3\sqrt{x})$$

Q2. If
$$xy + y^2 = 1$$
, find $\frac{d^2y}{dx^2}$ at (0,-1)