King Fahd University of Petroleum and Minerals

Math 101 Quiz # 3(a) Time: 20 minutes Date: 18-11-2014

Name	ID #	Sr #	Sec. 09	Marks:

Q1. Find the derivative of $y = tan(7 - \sin 3t)$.

Q 2. Find the lines that are (a) tangent (b) normal to the curve at the given point

$$x \sin 2y = y \cos 2x, \qquad P\left(\frac{\pi}{4}, \frac{\pi}{2}\right)$$

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Math 101 Quiz # 3(b) Time: 20 minutes Date: 18-11-2014

Name	ID #	Sr #	Sec. 09	Marks:

Q1. Find the derivative of $y = tan^2(sin^3 2t)$.

Q 2. Find the lines that are (a) tangent (b) normal to the curve at the given point

$$x^3 + y^3 - 9xy = 0, \qquad P(2,4)$$

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Math 101 Quiz # 3(c) Time: 20 minutes Date: 18-11-2014

Name	ID #	Sr #	Sec. 21	Marks:

Q1. Find the derivative of $y = tan^4(sin^3 5t)$.

Q 2. Find $\frac{dy}{dx}$ if $x^2 = y^2 - \sin xy$.

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Math 101 Quiz # 3(d) Time: 20 minute Date: 18-11-2014

Name	ID #	Sr #	Sec. 21	Marks:

Q1. Find the derivative of $y = cos(7 - \sin 3t)$.

Q 2. Find $\frac{dy}{dx}$ if $x^3 = y^5 - \sin xy$.