MATH218

Quiz 1

462

التحديد :

introduction

2.2

2.3

2.4

Kingdom of Saudi Arabia
Ministry of Higher Education
College of computer
Department of Computer Engineering

Qassim University
College Of Computer

Quiz 1 (1445-1446) I Sem. **461**
Course: Math- 218
Time: 10 Min.
Total Marks: 5
Date: 09.09.2024

Name: ID:

Answer all questions:

.....**1.** Determine whether the function $f(x)=\dfrac{\sqrt{x^3+y^3}}{xy}$ is homogeneous. If so, state the degree of homogeneity. **(1 Mark)**

2. Determine whether the given equation is exact. If exact, Solve $(3x+5y)dx+(3x+4\sin y)dy=0$. **(2 Marks)**

3. Solve $e^{-y}\dfrac{dy}{dx}=\dfrac{xe^x}{y}$ **(2 Marks)**