Name:	
Section:	

R·I·T School of Mathematical Sciences

## Homework 1

## MATH 211

1. Evaluate the limit if it exists. If the limit does not exist, explain why.

$$\lim_{(x,y)\to(0,0)} \frac{4x^2 - 9y^2}{2x - 3y}$$

2. Find all four second partial derivatives.

$$z = \frac{\sin(2x)}{3u}$$

