

MA153, Multi-Variable Calculus

Quiz 3 - 30 September 2008

Name: _____ Section: _____

Show all of your work. An unjustified answer is not correct! You will have 10 minutes.

THIS QUIZ IS WORTH 20 POINTS

1. Find three positive numbers whose sum is 100 and whose product is a maximum.

(a) What is your objective equation - (the equation you are trying to minimize or maximize)?

$Ob = ?$

(b) What is your constraint equation - (your limitations)?

$Co = ?$

(c) What method are you going to use to solve this, (LaGrange or Optimization)?

(d) Input Work and Solution Below: