## "QUIZ" for Lecture 11

NAME: (print!) Andrew King Section: 23

E-MAIL SCANNED .pdf OF COMPLETED QUIZ to DrZcalc3@gmail.com (Attachment: q11FirstLast.pdf) ASAP BUT NO LATER THAN Oct. 12, 8:00pm Deadline extended to Oct. 17

1. Use Largange multipliers (no credit for other methods) to find the smallest value that x+y+z can be, given that xyz=125

2. Use Largange multipliers (no credit for other methods) to find the largest value that xyz can be, given that x + y + z = 15

3x = 15

X:5

7-5

Max = 125