

“QUIZ” for Oct. 12, 2009

NAME: (print!) _____ **Section:** _____

E-MAIL ADDRESS: (print!) _____

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

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