

MATH 152 Quiz 4

Name: _____

Class time: _____

Use Lagrange multipliers to solve the problem below. **Show all work including the system of equations that you solved.** NEATLY write the solution below. 10 points . Due Tuesday 2/17. No late work will be accepted.

1) A cylindrical can is to be made that will hold 250π cubic inches of candy. Find the dimensions of the can with minimum surface area.