

MATH 251 - QUIZ 3

NAME:

I.D.:

Instruction: Circle your answers and show all your work CLEARLY. Solutions with answer only and without supporting procedures will have little credit.

1. Write an equation for the surface generated by revolving the curve $y^2 = 4x$ on the xy -plane around the x -axis.

2. Convert the equation $x^2 + y^2 + z^2 = x + y + z$ to both cylindrical and spherical coordinates.