

Name: \_\_\_\_\_

Math 233: Multivariate Calculus (Sect 13)

Instructor: Jennifer Li

Friday, November 30, 2018

## Quiz 12

Please write neatly and show all of your work.

1. Use polar coordinates to find the volume of the solid bounded by the plane  $z = 0$  and the paraboloid  $z = 25 - x^2 - y^2$ .