Quiz 10; Wednesday, April 6
MATH 53 with Professor Stankova
Section 116; 3-4
GSI: Eric Hallman

Student name:

You have 10 minutes to complete the quiz. Calculators are not permitted, and remember to show your calculations and explain your reasoning in order to receive full credit.

1. Use a double integral in polar coordinates to find the volume of the solid below the paraboloid $z = 18 - 2x^2 - 2y^2$ and above the xy-plane.