

Quiz 7; Wednesday, March 9
MATH 53 with Professor Stankova
Section 109; 11-12
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. Find the maximum and minimum values of the function $f(x, y, z) = x + 2y + 2z$ on the domain $x^2 + y^2 + z^2 = 1$.