

Quiz 14 (Problems)

1. Use Lagrange multipliers to find any extrema of $f(x, y, z) = 3x^2 - y^2 + 2z^2$ subject to $3x + z + 50 = 4y$.

Quiz 14 (Answers)

1. (Math-252 Quiz 14)

Absolute minimum $f(4, 16, 2) = -200$