

Optimization in Multivariable Calculus

- 1 Review of Absolute Maxima/Minima of $f(x)$**
- 2 Closed and Bounded Regions**
- 3 Open and/or Unbounded Regions**

Example 1. Find the point(s) on the plane $x + 2y + 2z = 2$ closest to the point $P(2, 0, 3)$.