Math 53 (Multivariable Calculus), Section 102 & 108
Week 3, Friday
Sep 9, 2022
For the other materials: seewoo5.github.io/teaching/2022Fall

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1. Find the equation of a sphere centered at $(1, 1, 2)$ and passes through the origin. Find the points that the sphere meets with x, y, and z-axis.
2. Find the equation of set of all points equidistant from the points $A(1, 2, 3)$ and $B(5, 4, 3)$. Describe the set.
3. Find equation**s** of sphere**s** of radius 2 that touches xy, yz, and xz-planes.