

Math 2415

Homework on 12.1 and 12.2

1. Stewart 12.1.6
2. Describe and sketch the surface in \mathbb{R}^3 represented by the equation $y^2 + z^2 = 16$
3. Find the equation of the sphere that passes through the point $(1, 2, 3)$ and has center $(4, -2, 3)$.
4. Stewart 12.2.6 bdf
5. Stewart 12.2.8
6. Stewart 12.2.44