

M427L Quiz 1

Name _____

NO NOTES. NO CALCULATORS.

1. Find the equation of the plane with x -intercept 3, y -intercept 4, and z -intercept 5.

2. Translate the equation $r^2 + z^2 = 4$ from cylindrical to spherical coordinates.

3. Find the angle between the vectors $a = (1, 0, 1, 0, 1, 0)$ and $b = (2, 0, 0, 3, 0, 0)$.