Q.1: Find parametric equations of the line of intersection of the planes \( x+y-z = 2 \), \( 3x-4y+5z = 6 \).

Q.2: Find equation of the plane that passes through the line of intersection of the planes \( x+y-z = 2 \), \( 3x-4y+5z = 6 \) and is parallel to the plane \( 2x + y - z = 4 \).
Q.3: Reduce the equation to standard form and classify the surface, \( x^2 - y^2 + z^2 - 2x + 2y + 4z + 2 = 0 \).

Q.4: Identify the surface whose equation is given by \( \rho^2 \left( 2 \sin^2 \phi \cos (2\theta) - 3 \cos^2 \phi \right) = 1 \).