1.) Graph the region and evaluate the integral to find the volume bounded by planes \( x = 1, \ y = 2, \ x = -1, \ y = 0, \) and \( z = 3 \) and \( z = -1 \)

2.) Graph the region and evaluate the integral to find the volume of the solid in the first octant volume bounded by the cylinder \( x^2 + y^2 = 9 \) and \( z = 1. \)

3.) Graph the region and evaluate the integral to find the volume of the solid in the first octant volume bounded by the cylinder \( x + y = 1 \) and \( z = 1. \)

4.) Graph the region and evaluate the integral to find the volume of the solid inside the paraboloids \( z = 8 - x^2 - y^2. \) and \( z = x^2 + 3y^2. \)