

- 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 $z = x^2 + 3y^2$.