12.1, number 9: Give a geometric description of the set of points in 3-space which satisfy $x^2+y^2+z^2=1$ and x=0.

Answer: The set of points in 3-space that satisfy $x^2 + y^2 + z^2 = 1$ and x = 0 is the circle of radius 1 with center at the origin in the yz-plane

