

12.1, number 35b: Describe the plane perpendicular to the y -axis at $(0, -1, 0)$ with either one equation or two equations.

Answer: If a plane is perpendicular to the y -axis, then every point on the plane has the same y -coordinate. So the plane perpendicular to the y -axis which passes through $(0, -1, 0)$ is $y = -1$.