This homework set has six (6) problems. Some of them are routine, others require more thought. You are encouraged to work with others and to ask questions of your instructor; however, you must write up your solutions independently. On this and all subsequent homework sets please write neatly in complete sentences. Writing mathematics is a craft, aim to hone this skill!


3. Find an equation of the plane with \( x \)-intercept \( a \), \( y \)-intercept \( b \) and \( z \)-intercept \( c \).

4. Find an equation of the plane consisting of all points in \( \mathbb{R}^3 \) equidistant from \((2, 5, 5)\) and \((-6, 3, 1)\).
