Question 1. *(5 marks)* Given the planes $\mathscr{P}_1 : x + 3y - z = 5$ and $\mathscr{P}_2 : 2x - 5y + z = 7$. Determine the equation of the line of intersection and find the angle between the given planes.

Question 2. *(5 marks)* Find the equation of the plane $\mathscr{P}$ which is equidistant from $\mathscr{P}_1 : x + 2y + 3z = 0$ and $\mathscr{P}_2 : x + 2y + 3z = 6$.