Q Let \( L_1 \): \( x = 1 + 7t, y = 3 + t, z = 5 - 3t \)

\( L_2 \): \( x = 4 - t, y = 6, z = 7 + 2t \)

Check whether the lines \( L_1 \) and \( L_2 \) are parallel or skew lines. Find distance between the lines \( L_1 \) and \( L_2 \).
Q.1 Find equation of a plane which passes through the points $P(3,2,1), Q(2,1,-1)$ and $R(-1,3,2)$.

Q.2 Find distance between the planes:

\[3x - y + 2z = 6\]
\[6x - 2y + 4z = -4\]