1. The lines \( L_1(t) = \langle t, 5, 1 + t \rangle \) and \( L_2(s) = \langle 2s, 1 + 2s, 7 - s \rangle \) intersect

(a) When \( t = \) When \( s = \)

**Solution:** Solve these equations: \( t = 2s \), \( 5 = 1 + 2s \), \( 1 + t = 7 - s \).
We get \( t = 4 \) and \( s = 2 \)

(b) At the Point:

**Solution:** \( (t, 5, 1 + t) \) with \( t = 4 \), that is, \( (4, 5, 5) \).