Lesson 12: Angles Associated with Parallel Lines

Exit Ticket

Use the diagram to answer Questions 1 and 2. In the diagram, lines \( L_1 \) and \( L_2 \) are intersected by transversal \( m \), forming angles 1–8, as shown.

1. If \( L_1 \parallel L_2 \), what do you know about \( \angle 2 \) and \( \angle 6 \)? Use informal arguments to support your claim.

2. If \( L_1 \parallel L_2 \), what do you know about \( \angle 1 \) and \( \angle 3 \)? Use informal arguments to support your claim.