

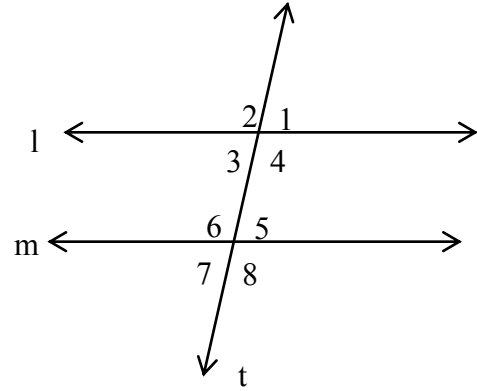
Name: _____
Period: _____ Date: _____

HC3 – U4L1
Deductive Proofs 2

For each of the following situations, write a **deductive proof** in two-column form.

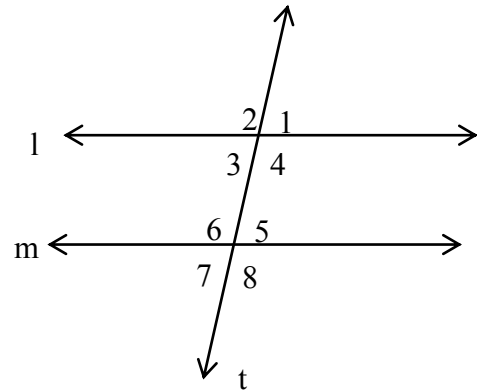
1. **Given:** lines l and m are intersected by transversal t
 $m\angle 4 + m\angle 5 = 180^\circ$

Prove: Lines l and m are parallel



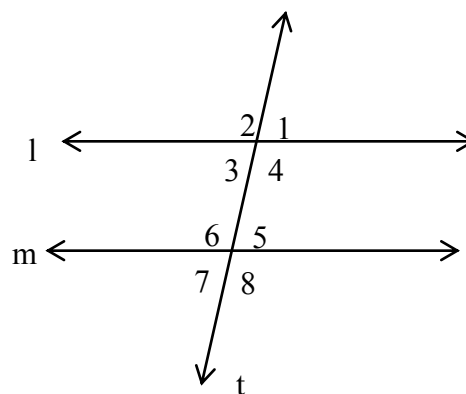
2. **Given:** lines l and m are intersected by transversal t
 $m\angle 2 + m\angle 7 = 180^\circ$

Prove: Lines l and m are parallel



3. **Given:** lines l and m are intersected by transversal t
 $m\angle 3 = m\angle 5$

Prove: Lines l and m are parallel



4. **Given:** lines l and m are intersected by transversal t
 $m\angle 1 = m\angle 7$

Prove: Lines l and m are parallel

