

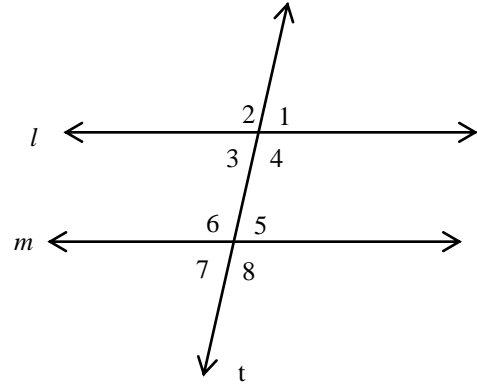
Name: _____
Period: _____ Date: _____

HC3 – U4L1
Deductive Proofs 1

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

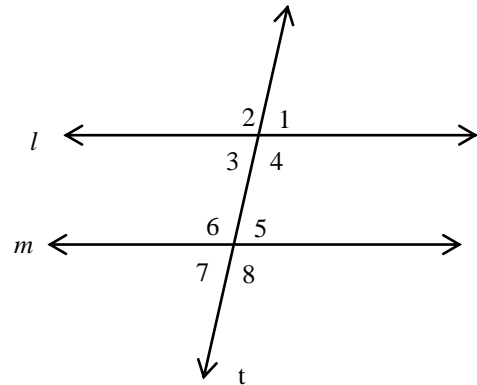
1. **Given:** lines l and m are parallel and intersected by transversal t

Prove: $m\angle 3 + m\angle 6 = 180^\circ$



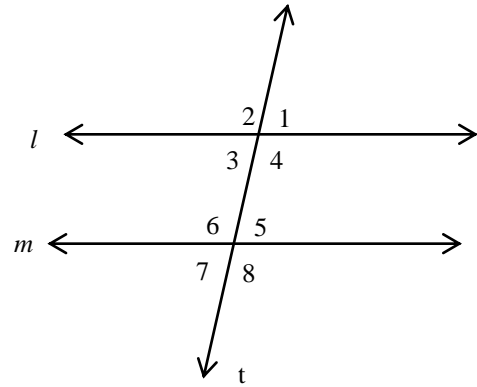
2. **Given:** lines l and m are parallel and intersected by transversal t

Prove: $m\angle 1 + m\angle 8 = 180^\circ$



3. **Given:** lines l and m are parallel and intersected by transversal t

Prove: $m\angle 4 = m\angle 6$



4. **Given:** lines l and m are parallel and intersected by transversal t

Prove: $m\angle 2 = m\angle 8$

