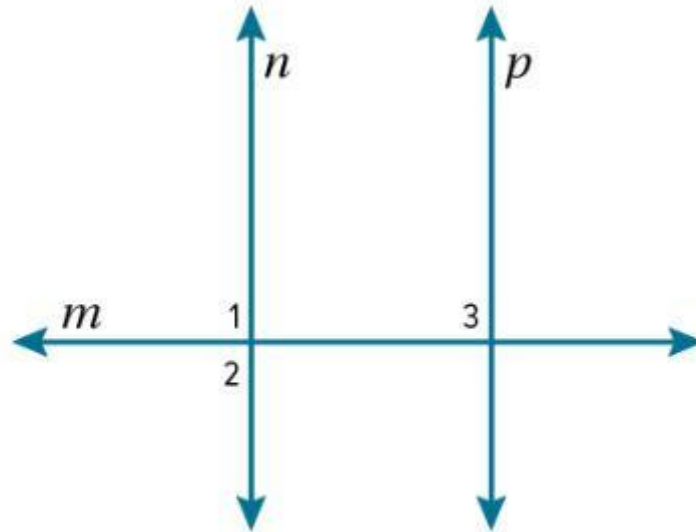


PROOF Complete the two-column proof by dragging the statements and reasons.

Given: $\angle 1 \cong \angle 2$; $m \perp p$

Prove: $\angle 2 \cong \angle 3$



Proof:

Statements	Reasons
1. $\angle 1 \cong \angle 2$; $m \perp p$	1. <input type="text" value="(Empty)"/>
2. <input type="text" value="(Empty)"/>	2. Def. of linear pair
3. <input type="text" value="(Empty)"/>	3. If 2 \cong \angle s form a linear pair, they are right \angle s.
4. $\angle 3$ is a right angle.	4. <input type="text" value="(Empty)"/>
5. <input type="text" value="(Empty)"/>	5. All right \angle s are congruent.

$\angle 1$ and $\angle 2$ are rt. \angle s.

\perp lines form 4 rt. \angle s.

Given

$\angle 2 \cong \angle 3$

$\angle 1$ and $\angle 2$ form a linear pair.