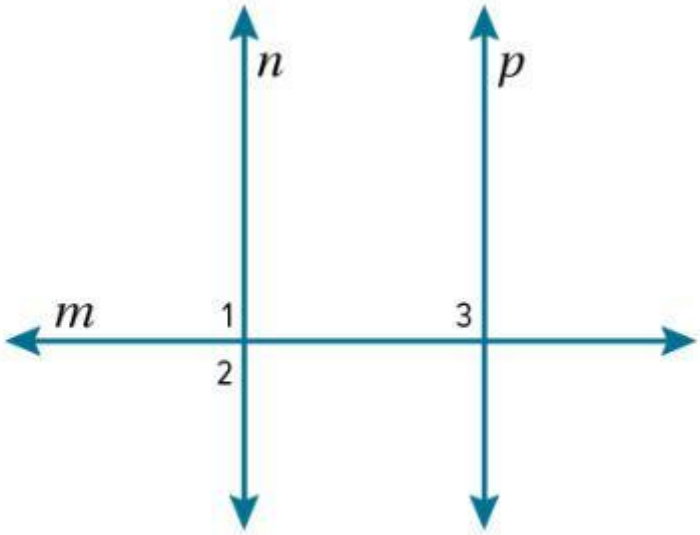
PROOF Complete the two-column proof by dragging the statements and reasons.

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.** (Empty)
2. (Empty)	**2.** Def. of linear pair
3. (Empty)	**3.** If $2 \cong \angle$s form a linear pair, they are right $\angle$s.
4. $\angle 3$ is a right angle.	**4.** (Empty)
5. (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.

LIVEWORKSHEETS