

Geometry

2.6 Proving Geometric Relationships

Theorems

All right angles are _____.

Congruent Supplements Theorem

If two angles are _____ to the same angle (or to congruent angles), then they are _____.

Congruent Complements Theorem

If two angles are _____ to the same angle (or to congruent angles), then they are _____.

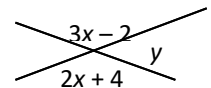
Linear Pair Postulate

If two angles form a _____, then they are _____.

Vertical Angles Congruence Theorem

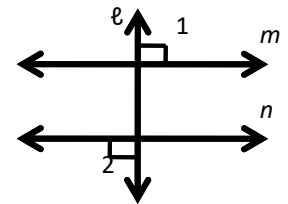
Vertical angles are _____.

Find x and y



Given: $\ell \perp m$, $\ell \perp n$

Prove: $\angle 1 \cong \angle 2$

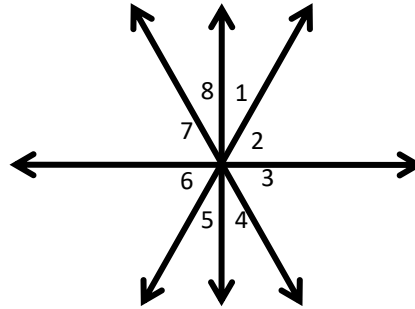


Statements	Reasons

Write a paragraph proof.

Given: $\angle 1$ and $\angle 3$ are complements
 $\angle 3$ and $\angle 5$ are complements

Prove: $\angle 1 \cong \angle 5$



Write a flow proof.

Given $\angle 1 \cong \angle 4$

Prove $\angle 2 \cong \angle 3$

