

EVIDENCE

Term	Definition/Meaning
Proof	
Justify	
Geometric proof	
Types of proofs	

Reasons

Definition	Properties
<ul style="list-style-type: none">• Definition of Angle Bisector• Definition of Complementary Angles• Definition of Congruent Angles• Definition of Congruent Segments• Definition of Linear Pair• Definition of Midpoint• Definition of Right Angles• Definition of Segment Bisector• Definition of Supplementary Angles• Definition of Vertical Angles	<ul style="list-style-type: none">• Addition Property of Equality• Distributive Property• Division Property of Equality• Multiplication Property of Equality• Reflexive Property• Substitution Property of Equality• Subtraction Property of Equality• Symmetric Property• Transitive Property
Postulates	Theorems
<ul style="list-style-type: none">• Angle Addition Postulate• Linear Pair Postulate• Segment Addition Postulate	<ul style="list-style-type: none">• Alternate Exterior Angles Theorem• Alternate Interior Angles Theorem• Angle Bisector Theorem• Consecutive Interior Angles Theorem• Corresponding Angles Theorem• Midpoint Theorem• Vertical Angles Theorem

Algebraic Proof

Given: $2x + 5 = 20 - 3x$

Prove: $x = 3$

Statement	Reason
1. $2x + 5 = 20 - 3x$	1.
2.	2.
3.	3.
4. $x = 3$	4.

Creating a Proof

Given: $AC = AB + AB$



Prove: $AB = BC$

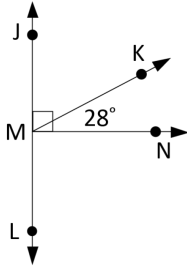
Párrafo de demostración

Statement	Reason
1.	1.
2.	2.
3.	3.
4.	4.

Completing a Proof

Given: $\angle KMN = 28^\circ$

Prove: $\angle JMN = 90^\circ$



Statement	Reason
1.	1.
2. $\angle JMK$ and $\angle KMN$ are complementary angles	2. Given
3. $\angle JMK + \angle KMN = \angle JMN$	3.
4. $\angle JMK + \angle KMN = 90^\circ$	4. Definition of Complementary Angles
5.	5.