EVIDENCE GUIDED NOTES

Term	Definition
Proof	
Justify	
Geometric proof	
Types of proofs	

Reasons Word Bank

Definitions	Properties
• 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	• 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**
• Angle Addition Postulate • Linear Pair Postulate • Segment Addition Postulate	• 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

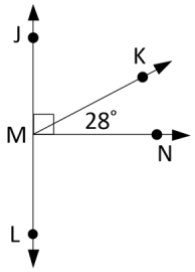
Statement	Reason
1.	1.
2.	2.
3.	3.
4.	4.

Paragraph Proof

Completing a Proof

Given: ∠KMN = 28°

Prove: ∠JMN = 90°



Statement	Reason
1.	1.
2. ∠JMK and ∠KMN are Complementary Angles	2. Given
3. ∠JMK + ∠KMN = ∠JMN	3.
4. ∠JMK + ∠KMN = 90°	4. Definition of Complementary Angles
5.	5.