Formal Geometry 2022-2023	Name:
Ch 2 Proofs	Packet
 Write a two-column proof, supplying you Given: BD bisects ∠ABC 	ur own correct conclusion and reason.
Conclusion:	B C
Statements	Reasons
2) Given: T is the midpoint of \overline{PD}	РТЪ
Conclusion:	
Statements	Reasons
	1

Formal Geometry 2022-2023

Name: _____

2-4

Proof of Theorem 2.1:

If a point is the midpoint of a segment, then it divides it into $2 \cong$ segments .



Formal Geometry 2022-2023

Name:	
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Algebraic Proof:

An <u>algebraic proof</u> uses a group of algebraic steps to solve problems and justify each step.

5) Given: $\frac{5x+1}{2} - 8 = 0$

Prove: x = 3

	Statements	Reasons
		1
6)	Given: $6x + 3 = 9(x - 1)$	
	Prove: $x = 4$	
	Statements	Reasons















If $2 \angle s$ are comp. to $\cong \angle s$, then they $\cong .$

Given

If a ray bisects an \angle , then it creates

 $2 \cong \angle' s$.

