Name:	Key	_ Date:	:Period:
WS – Ji	ustifications for Geometric Proof		
1.	Given: $\overline{AM} \cong \overline{WU}$ Conclusion: $AM = WU$ Why: $AM = WU$		8. Given: A is in the interior of $\angle GLD$ Conclusion: $m\angle GLA + m\angle ALD = m\angle GLD$ Why: Angle Addition Psychological
2.	Given: E is the midpoint of \overline{BD} Conclusion: $\overline{BE}\cong \overline{ED}$		9. Given: $\angle 1$ is the complement to $\angle 3$ Conclusion: $m \angle 1 + m \angle 3 = 90$
	Why: Def. of midpoint		Why: Def. of complementary
3.	Given: A bisects \overline{CT} Conclusion: $\overline{CA} \cong \overline{AT}$	*	10. Given: $\angle HAM$ is vertical to $\angle EAT$ Conclusion: $\angle HAM \cong \angle EAT$ Why: $Vertical$
4.	Why: Def , of Bisect Given: $CO = OL$ Conclusion: $\overline{CO} \cong \overline{OL}$		11. Given: \mathbf{R} \mathbf{N} Conclusion: U is the midpoint of \overline{RN}
5.	Why: Def. of Ξ Given: $\angle DAY$ and $\angle YAK$ are a linear pair Conclusion: $\angle DAY$ and $\angle YAK$ are supplementary		Why: Det. of mid point 12. Given: Conclusion: ∠8 and ∠9 are vertical angles
	Why: Linear Pair Postulate		Why: Definition of Vertical L
6.	Given: $\angle TOM$ is the supplement of $\angle SUE$ Conclusion: $m\angle TOM + m\angle SUE = 180$ Why: Def. of Supplementary		13. Given: $m \angle NAT + m \angle WED = 90$ Conclusion: $\angle NAT$ and $\angle WED$ are complementary
7.	Given: A and B lie in Plane JOG Conclusion: A and B are collinear		why: Det. of complementary 14. Given: $\overline{FA} \cong \overline{RM}$

Why: Two Point Postulate (Through any two points, there exists exactly one line) 14. Given: $FA \cong RM$ Conclusion: FA = RMWhy: Def. of \cong

15. Given: MA ≅ TH
Conclusion: MA = TH

Why: Def. of ≅

16. Given: m∠AFD + m∠BAT = 180
Conclusion: ∠AFD, ∠BAT are supplementary

Why: Def. of Supplementary

17. Given: R
Conclusion: ∠FRO ≅ ∠ORG

Why: Def. of bisect

18. Given: m∠2 = m∠6
Conclusion: ∠2 ≅ ∠6

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