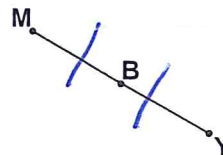
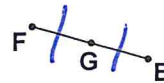
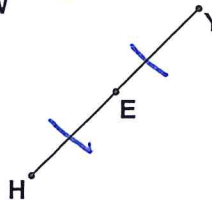
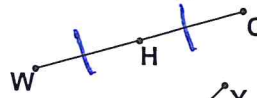
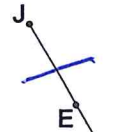
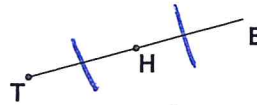
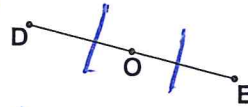
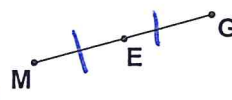
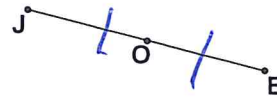
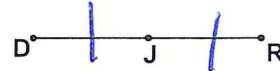


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Midpoint

- Given: J is the midpoint of \overline{DR}
Conclusion: $\overline{DJ} \cong \overline{JR}$
Reason: A midpoint creates two congruent segments
- Given: O is the midpoint of \overline{JE}
Conclusion: $\overline{JO} \cong \overline{OE}$
Reason: A midpoint creates two congruent segments
- Given: E is the midpoint of \overline{MG}
Conclusion: $\overline{ME} \cong \overline{EG}$
Reason: A midpoint creates two congruent segments
- Given: O is the midpoint of \overline{DE}
Conclusion: $\overline{DO} \cong \overline{OE}$
Reason: A midpoint creates two congruent segments
- Given: H is the midpoint of \overline{TE}
Conclusion: $\overline{TH} \cong \overline{HE}$
Reason: A midpoint creates two congruent segments
- Given: E is the midpoint of \overline{JN}
Conclusion: $\overline{JE} \cong \overline{EN}$
Reason: A midpoint creates two congruent segments
- Given: H is the midpoint of \overline{WO}
Conclusion: $\overline{WH} \cong \overline{HO}$
Reason: A midpoint creates two congruent segments
- Given: E is the midpoint of \overline{HY}
Conclusion: $\overline{HE} \cong \overline{EY}$
Reason: A midpoint creates two congruent segments
- Given: G is the midpoint of \overline{FB}
Conclusion: $\overline{FG} \cong \overline{GB}$
Reason: A midpoint creates two congruent segments
- Given: B is the midpoint of \overline{MY}
Conclusion: $\overline{MB} \cong \overline{BY}$
Reason: A midpoint creates two congruent segments



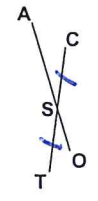
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Line Bisector

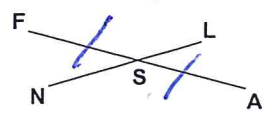
1. Given: \overline{AO} bisects \overline{TC} at S
Conclusion: $\overline{TS} \cong \overline{CS}$

Reason:
A line bisector creates two congruent segments



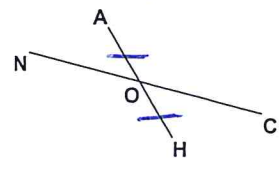
2. Given: \overline{NL} bisects \overline{FA} at S
Conclusion: $\overline{FS} \cong \overline{AS}$

Reason:
A line bisector creates two congruent segments



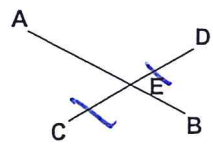
3. Given: \overline{NC} bisects \overline{AH} at O
Conclusion: $\overline{AO} \cong \overline{OH}$

Reason:
A line bisector creates two congruent segments



4. Given: \overline{AB} bisects \overline{CD} at E
Conclusion: $\overline{CE} \cong \overline{ED}$

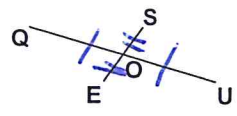
Reason:
A line bisector creates two congruent segments



5. Given: \overline{QU} and \overline{SE} bisect each other at O
Conclusion 1: $\overline{QO} \cong \overline{OU}$

Conclusion 2: $\overline{SO} \cong \overline{OE}$

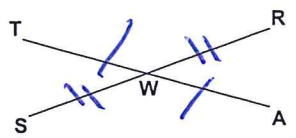
Reason:
A line bisector creates two congruent segments



6. Given: \overline{TA} and \overline{RS} bisect each other at W
Conclusion 1: $\overline{TW} \cong \overline{WA}$

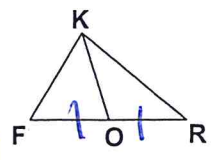
Conclusion 2: $\overline{SW} \cong \overline{WR}$

Reason:
A line bisector creates two congruent segments



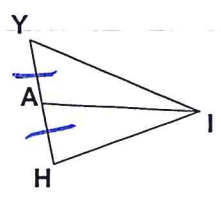
7. Given: \overline{KO} bisects \overline{FR}
Conclusion: $\overline{FO} \cong \overline{OR}$

Reason:
A line bisector creates two congruent segments



8. Given: \overline{AI} bisects \overline{YH}
Conclusion: $\overline{YA} \cong \overline{AH}$

Reason:
A line bisector creates two congruent segments



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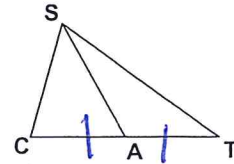
Date _____
Geometry

Median

1. Given: \overline{SA} is a median
Conclusion: $\overline{CA} \cong \overline{AT}$

Reason:

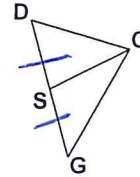
A median creates two congruent segments



2. Given: \overline{OS} is a median
Conclusion: $\overline{DS} \cong \overline{SG}$

Reason 1:

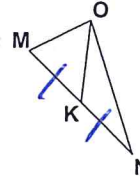
A median creates two congruent segments



3. Given: \overline{OK} is a median
Conclusion: $\overline{MK} \cong \overline{KN}$

Reason:

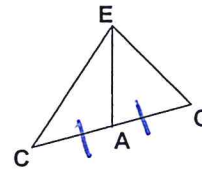
A median creates two congruent segments



4. Given: \overline{EA} is a median
Conclusion: $\overline{CA} \cong \overline{AG}$

Reason:

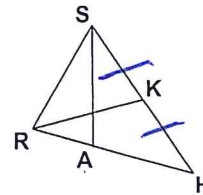
A median creates two congruent segments



5. Given: \overline{RK} is a median
Conclusion: $\overline{SK} \cong \overline{KH}$

Reason:

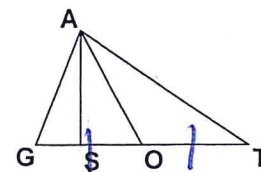
A median creates two congruent segments



6. Given: \overline{AO} is a median
Conclusion: $\overline{GO} \cong \overline{OT}$

Reason:

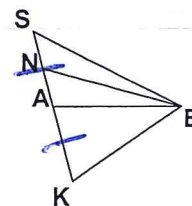
A median creates two congruent segments



7. Given: \overline{EA} is a median
Conclusion: $\overline{SA} \cong \overline{AE}$

Reason:

A median creates two congruent segments

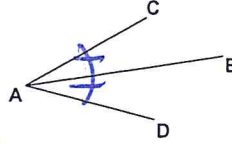


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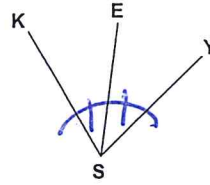
Date _____
Geometry

Angle Bisector

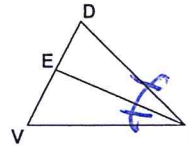
1. Given: \overline{BA} bisects $\angle CAD$
Conclusion: $\angle CAB \cong \angle DAB$
Reason:
An angle bisector creates two congruent angles



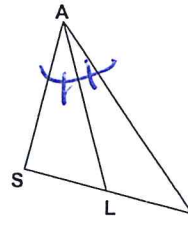
2. Given: \overline{ES} bisects $\angle KSY$
Conclusion: $\angle KSE \cong \angle YSE$
Reason:
An angle bisector creates two congruent angles



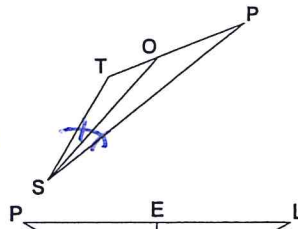
3. Given: \overline{EI} bisects $\angle DIV$
Conclusion: $\angle DIE \cong \angle VIE$
Reason:
An angle bisector creates two congruent angles



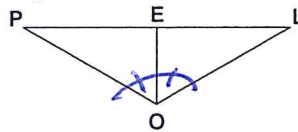
4. Given: \overline{AL} bisects $\angle SAI$
Conclusion: $\angle SAL \cong \angle IAL$
Reason:
An angle bisector creates two congruent angles



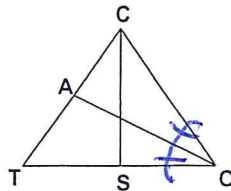
5. Given: \overline{SO} bisects $\angle TSP$
Conclusion: $\angle TSO \cong \angle PSO$
Reason:
An angle bisector creates two congruent angles



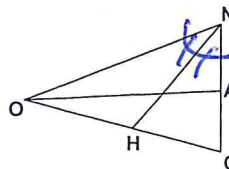
6. Given: \overline{EO} bisects $\angle POL$
Conclusion: $\angle POE \cong \angle LOE$
Reason:
An angle bisector creates two congruent angles



7. Given: \overline{OA} bisects $\angle COT$
Conclusion: $\angle COA \cong \angle TOA$
Reason:
An angle bisector creates two congruent angles



8. Given: \overline{HN} bisects $\angle ONC$
Conclusion: $\angle ONH \cong \angle CNH$
Reason:
An angle bisector creates two congruent angles.



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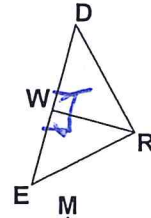
Date _____
Geometry

Perpendicular Lines

1. Given: $\overline{RW} \perp \overline{DE}$

Conclusion: $\angle DW R \cong \angle EWR$

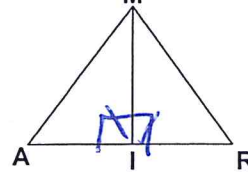
Reason:
Perpendicular lines create two congruent right angles



2. Given: $\overline{MI} \perp \overline{AR}$

Conclusion: $\angle MIA \cong \angle MIR$

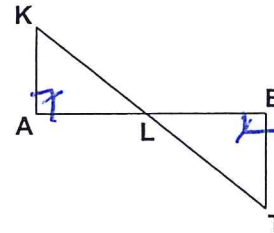
Reason:
Perpendicular lines create two congruent right angles



3. Given: $\overline{KA} \perp \overline{AE}$, $\overline{AE} \perp \overline{ET}$

Conclusion:
 $\angle KAL \cong \angle TEL$

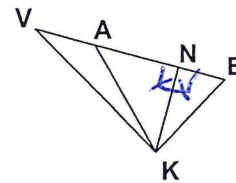
Reason:
Perpendicular lines create two congruent right angles



4. Given: $\overline{KN} \perp \overline{VE}$

Conclusion:
 $\angle KNE \cong \angle KNV$

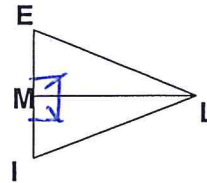
Reason:
Perpendicular lines create two congruent right angles



5. Given: $\overline{LM} \perp \overline{IE}$

Conclusion:
 $\angle LME \cong \angle LMI$

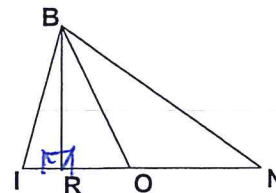
Reason:
Perpendicular lines create two congruent right angles



6. Given: $\overline{BR} \perp \overline{IN}$

Conclusion:
 $\angle BRI \cong \angle BRO$

Reason:
Perpendicular lines create two congruent right angles.



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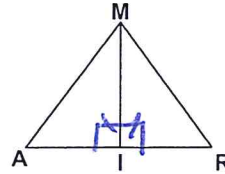
Altitude

1. Given: \overline{MI} is an altitude

Conclusion: $\angle MIA \cong \angle MIR$

Reason:

An altitude creates two congruent right angles.

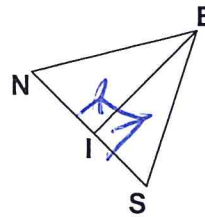


2. Given: \overline{EI} is an altitude

Conclusion: $\angle EIN \cong \angle EIS$

Reason:

An altitude creates two congruent right angles

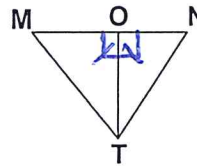


3. Given: \overline{OT} is an altitude

Conclusion: $\angle TOM \cong \angle TON$

Reason:

An altitude creates two congruent right angles

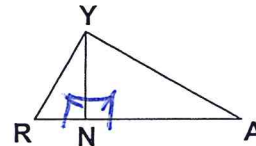


4. Given: \overline{YN} is an altitude

Conclusion: $\angle YNR \cong \angle YNA$

Reason:

An altitude creates two congruent right angles

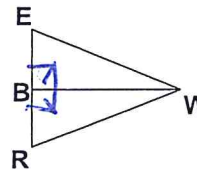


5. Given: \overline{WB} is an altitude

Conclusion: $\angle EBW \cong \angle RBW$

Reason:

An altitude creates two congruent right angles



6. Given: \overline{JC} is an altitude

Conclusion: $\angle JCO \cong \angle JCH$

Reason:

An altitude creates two congruent right angles

