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| Statement | Reason |
| AE ≅ CB, AB ≅ CD, B is the midpoint of ED | Given |
| EB ≅ DB | Reflexive Property |
| ΔAEB ≅ ΔCBD | SAS |



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| Statement | Reason |
| GK ≅ ML, ∠GKM ≅ ∠LMK | Given |
| MK ≅ MK | Congruent |
| ΔGKM ≅ LMK | SSA |



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| Statement | Reason |
| ∠S ≅ ∠R, XT bisects ∠SXR | Given |
| ∠SXT ≅ ∠RXT | Reflexive Property |
| XT ≅ XT  | Congruent |
| ΔSXT ≅ ΔRXT | SSS |



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| Statement | Reason |
| FT ≅ FR, ST ≅ SR | Given |
| ∠TFS ≅ ∠RFS | Reflexive Property |
| ΔTFS ≅ ΔRFS | SAS |
| ∠R ≅ ∠T | Corresponding Parts of ≅ Triangles are ≅ |



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| Statement | Reason |
| H is the midpoint of MK and QD | Given |
| MH ≅ HK and QH ≅ DH | Definition of Bisect |
| ∠MHQ ≅ ∠DHK | Reflexive Property |
| ΔQMH ≅ ΔDKH | SSA |



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| Statement | Reason |
| SQ Bisects ∠PSR and ∠P ≅ ∠R | Given |
| ∠PQS ≅ ∠RQS | Definition of Bisect |
| ∠PSQ ≅ ∠RSQ | Reflexive Property |
| ΔSQP ≅ ΔSQR | AAA |



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| Statement | Reason |
| RT bisects ∠QRS, ∠1 ≅ ∠2 | Given |
| ∠QRT ≅ ∠SRT | Congrunet |
| ∠Q ≅ ∠S | Reflexive Property |
| ΔRTQ ≅ ΔRTS | ASA |



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| Statement | Reason |
| BR and EV bisect each other | Given |
| BA ≅ RA and VA ≅ EA | Definition of Midpoint |
| ∠BAE ≅ ∠RAV | Corresponding Angles |
| ΔBAE ≅ ΔRAV | SAS |



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| Statement | Reason |
| ∠2 ≅ ∠3 and ∠1 ≅ ∠4 | Given |
| ∠B ≅ ∠D | Reflexive Property |
| ΔABC ≅ ΔCDA | AAS |