

1. Yes, $\triangle AQC \cong \triangle GWC$ by either ASA or AAS
2. Yes, $\triangle MKG \cong \triangle MKR$ by HL
3. Yes, $\triangle KNB \cong \triangle PBN$ by ASA
4. Yes, $\triangle RKC \cong \triangle LKT$ by SAS
5. Yes, $\triangle DEQ \cong \triangle QYD$ by SSS
6. Yes, $\triangle GUM \cong \triangle HUM$ by SAS
- 7.

Statement	Reason
1. \overline{DB} bisects $\angle ABC$ and $\overline{AB} \cong \overline{CB}$	1. Given
2. $\angle ABD \cong \angle CBD$	2. Def of Angle Bisector
3. $\overline{BD} \cong \overline{BD}$	3. Reflexive Property
4. $\triangle ABD \cong \triangle CBD$	4. SAS

8. $x = 39$
9. $x = 54$
10. $m\angle 1 = 70^\circ, m\angle 2 = 20^\circ, m\angle 3 = 90^\circ, m\angle 4 = 20^\circ$
- 11.

Statement	Reason
1. \overline{TC} bisects $\angle MCW$ and $\angle W \cong \angle M$	1. Given
2. $\overline{CT} \cong \overline{CT}$	2. Reflexive Property
3. $\angle MCT \cong \angle WCT$	3. Def of Angle Bisector
4. $\triangle MCT \cong \triangle WCT$	4. AAS
5. $\overline{MT} \cong \overline{WT}$	5. CPCTC

12.

Statement	Reason
1. A is the midpt of \overline{GE} , \overline{QE} & \overline{VG} are \perp to \overline{GE} , and $\overline{VA} \cong \overline{QA}$	1. Given
2. $\overline{GA} \cong \overline{EA}$	2. Def of Midpoint
3. $\triangle AGV \cong \triangle AEQ$	3. HL
4. $\angle Q \cong \angle V$	4. CPCTC