## Geometry Chapter 4 Review Fall 2013

Tell if each pair of triangles is congruent or not. If they are congruent give a reason (SSS,SAS,ASA,AAS,HL) and write a congruence statement.

7. Write a proof. Given:  $\overline{DB}$  bisects  $\angle ABC$  and  $\overline{AB} \cong \overline{CB}$ Prove:  $\triangle DAB \cong \triangle DCB$  For 8 and 9, find the value of x.

11. Write a proof. Given:  $\overline{TC}$  bisects  $\angle MCW$ and  $\angle W \cong \angle M$ Prove:  $\overline{MT} \cong \overline{WT}$  12. Write a proof Given: *A* is the midpoint of  $\overline{GE}$  $\overline{QE}$  and  $\overline{VG}$  are  $\perp$  to  $\overline{GE}$ , and  $\overline{VA} \cong \overline{QA}$ Prove:  $\angle Q \cong \angle V$