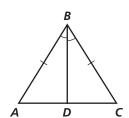
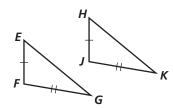
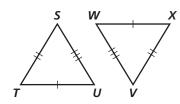
Practice 4-2

Decide whether you can use the SSS or SAS Postulate to prove the triangles congruent. If so, write the congruence statement, and identify the postulate. If not, write not possible.

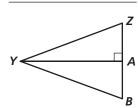


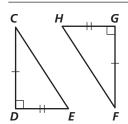


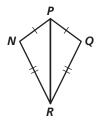
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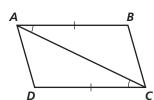


Draw a triangle. Label the vertices A, B, and C.

- **7.** What angle is between \overline{BC} and \overline{AC} ?
- **8.** What sides include $\angle B$?
- **9.** What angles include \overline{AB} ?
- **10.** What side is included between $\angle A$ and $\angle C$?
- **11. Developing Proof** Supply the reasons in this proof.

Given: $\overline{AB} \cong \overline{DC}$, $\angle BAC \cong \angle DCA$

Prove: $\triangle ABC \cong \triangle CDA$



Statements

1.
$$\overline{AB} \cong \overline{DC}$$
, $\angle BAC \cong \angle DCA$

2.
$$\overline{AC} \cong \overline{CA}$$

3.
$$\triangle ABC \cong \triangle CDA$$

Reasons

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