Geometry

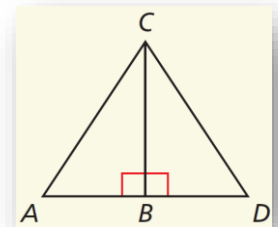## 5.3 Proving Triangle Congruence by SAS

SAS

SAS (Side-Angle-Side Congruence Postulate)

If _____ and the _____ angle of one triangle are _____ to two sides and the included angle of another triangle, then the two triangles are _____.
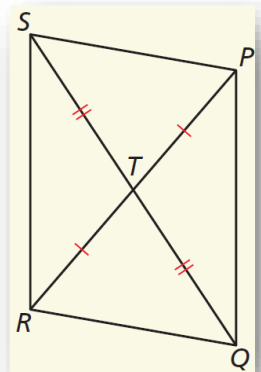
Given: *B* is the midpoint of $\overline{AD}$. ∠*ABC* and ∠*DBC* are right angles.
Prove: Δ*ABC* ≅ Δ*DBC*

Statements	Reasons
1.	1.
2.	2.
3.	3.
4.	4.
5.	5.

What can you conclude about △*PTS* and △*RTQ*? Explain.

Assignment: 241 #2, 4, 6, 7, 8, 10, 12, 17, 18, 19, 23, 24, 27, 29, 31 = 15 total