## Geometry

## 5.5 Proving Triangles Congruent by SSS

SSS (Side-Side Congruence Postulate)					
If	_ of one triangle are	to	of anoth	er triangle, then the _	are
True or False			F	J	
$\Delta DFG \cong \Delta HJK$ $\Delta ACB \cong \Delta CAD$				H K	$A \xrightarrow{3} \xrightarrow{B} \xrightarrow{7} C$
Given: $\overline{AB} \cong \overline{DC}$	$\overline{C}; \overline{AD} \cong \overline{BC}$				
Prove: $\triangle ABD \cong$	ΔCDB	1		A	В
Statements		Reasons			
1.		1.		T.	
2.		2.		D	C
3.		3.			
Determine whe	ther the figure is stable.				

HL

Right triangles are special

If we know two sides are congruent we can use the Pythagorean Theorem (ch 7) to show that the third sides are congruent





Assignment: 256 #1, 2, 3, 4, 6, 7, 8, 10, 12, 14, 18, 20, 22, 26, 28, 31, 32, 34, 35, 36 = 20 total