## 4 - 4 SSS and SAS







<b>Given:</b> <i>X</i> is the midpoint of $\overline{BD}$ . <i>X</i> is the midpoint of $\overline{AC}$ .	
<b>Prove:</b> $\triangle DXC \cong \triangle BXA$	
STATEMENTS	REASONS
1) X is the midpoint of BD	1) Given
A is the midpoint of AC	
2) DX ≅ XB AX ≅ XC	2) Def of Midpoint
2) DX ≅ XB AX ≅ XC 3) ∠DXC ≅ ∠BXA	2) Def of Midpoint 3) Vertical Angles