

1. Given: $AB⊥BC, BC⊥DC.$

 $DB$ bisects $∠ABC$, $AC$ bisects $∠DCB$.

 $EB=EC$.

Prove: $△BEA≅∆CED$



1. Given: $BF⊥AC, CE⊥AB.$

 $AE=AF$.

Prove: $△ACE≅∆ABF$.



1. Given: $JK=JL, JK∥XY.$

Prove: $XY=XL$.

1. Given: $∠1=∠2, ∠3=∠4.$

Prove: $AC=BD$.



1. Given: $AB=AC,$

$$RB=RC,$$

Prove: $SB=SC.$

1. Given: $JK=JL, JX=JY.$

Prove: $KX=LY$.



1. Given: $AD⊥DR, AB⊥BR$,

$$AD=AB.$$

Prove: $∠DCR=∠BCR.$

1. Given: $AR=AS, BR=CS,$

$$RX⊥AB, SY⊥AC.$$

Prove: $BX=CY.$