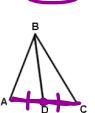
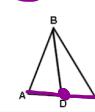
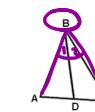
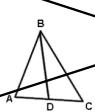
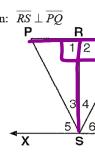
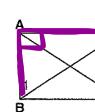
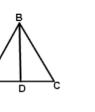
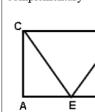
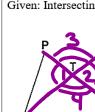
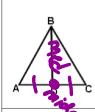
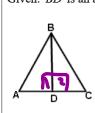
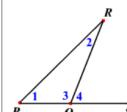
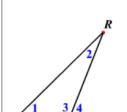


**Using Vocabulary in Proofs**

Given: D is the midpoint of $\overline{AC}$	Statement	Reason
	① D is the midpoint of $\overline{AC}$	① Given
	② $\overline{AD} \cong \overline{CD}$	② A midpoint cuts a segment into 2 $\cong$ segments
Given: $\overline{BD}$ bisects $\angle A$ at D	Statement	Reason
	① $\overline{BD}$ bisects $\angle A$ at D	① Given
	② $\overline{AD} \cong \overline{CD}$	② A segment bisector cuts a segment into 2 $\cong$ segments
Given: $\overline{BD}$ bisects $\angle ABC$	Statement	Reason
	① $\overline{BD}$ bisects $\angle ABC$	① Given
	② $\angle 1 \cong \angle 2$	② An angle bisector cuts an angle into 2 $\cong$ angles
Given: $\angle ADB$ and $\angle CDB$ are right	Statement	Reason
		

Given: $\overline{RS} \perp \overline{PQ}$	Statement	Reason
	① $\overline{RS} \perp \overline{PQ}$	① Given
	② $\angle 1 \cong \angle 2$	② L lines form right angles
	③ $\angle 1 \cong \angle 2$	③ All right angles are $\cong$
Given: $\angle BAD$ is right	Statement	Reason
	① $\angle BAD$ is right	① Given
	② $\overline{AD} \perp \overline{AB}$	② Right angles are formed by $\perp$ lines
Given: $\angle ADB$ and $\angle CDB$ are supplementary	Statement	Reason
	① $\angle ADB$ & $\angle CDB$ are Supplementary	① Given
	② $\angle ADB + \angle CDB = 180^\circ$	② Supplementary angles add up to $180^\circ$

Given: $\angle ECA$ and $\angle ECD$ are complementary	Statement	Reason
	① $\angle ECA + \angle ECD = 90^\circ$	① Given
	② $\angle ECA + \angle ECD = 90^\circ$	② Complementary angles add up to $90^\circ$
Given: Intersecting lines $\overline{STQ}$ and $\overline{PR}$	Statement	Reason
	① Intersecting lines $\overline{STQ}$ and $\overline{PR}$	① Given
	② $\angle 1 \cong \angle 2$	② Intersecting lines form $\cong$ vertical angles
	③ $\angle 3 \cong \angle 4$	
Given: $\overline{BD}$ is a median of triangle ABC	Statement	Reason
	① $\overline{BD}$ is a median of $\triangle ABC$	① Given
	② D is a midpoint	② A median of a $\triangle$ connects a vertex to the midpoint on the opposite side
	③ $\overline{BD} \cong \overline{CD}$	③ A midpoint cuts a segment into 2 $\cong$ segments
Given: $\overline{BD}$ is an altitude of triangle ABC	Statement	Reason
	① $\overline{BD}$ is an altitude of $\triangle ABC$	① Given
	② $\overline{BD} \perp \overline{AC}$	② An altitude of a $\triangle$ is $\perp$ to the base
	③ $\angle 1$ and $\angle 2$ are right angles	③ L lines form right angles
	④ $\angle 1 \cong \angle 2$	④ All right angles are $\cong$

Given: $\angle RQS$ is an exterior angle of triangle PRQ	Statement	Reason
	① $\angle RQS$ is an exterior angle of $\triangle PRQ$	① Given
	② $\angle RQS + \angle 3 = 180^\circ$	② An exterior angle plus its adjacent interior angle adds up to $180^\circ$
Given: $\angle RQS$ is an exterior angle of triangle PRQ	Statement	Reason
	① $\angle RQS$ is an exterior angle of $\triangle PRQ$	① Given
	② $\angle RQS = \angle 1 + \angle 2$	② An exterior angle of a $\triangle$ equals the sum of its 2 nonadjacent interior angles