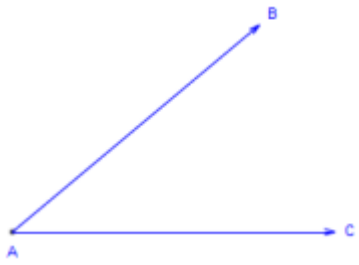
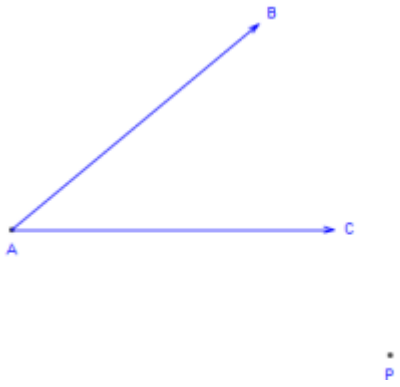
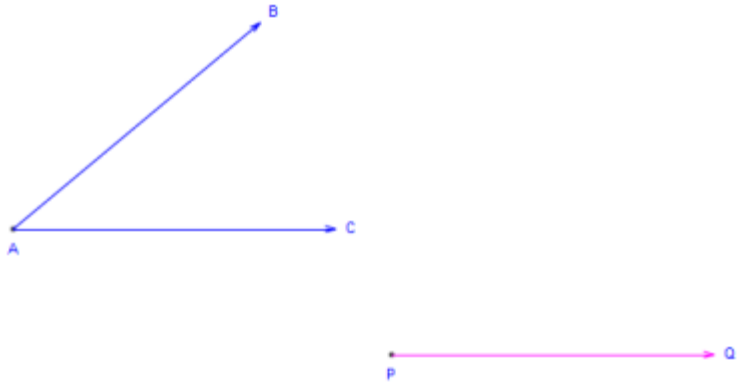
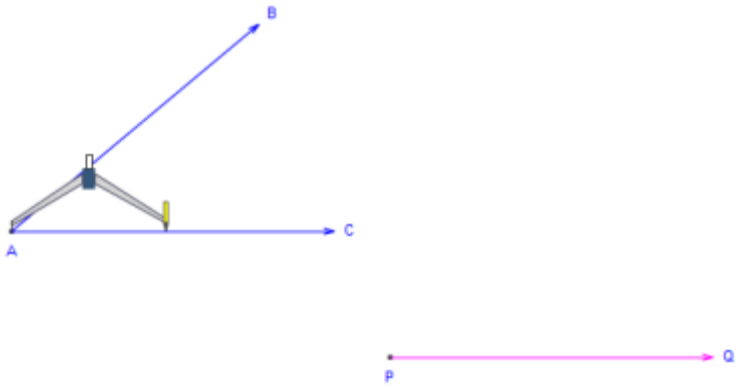
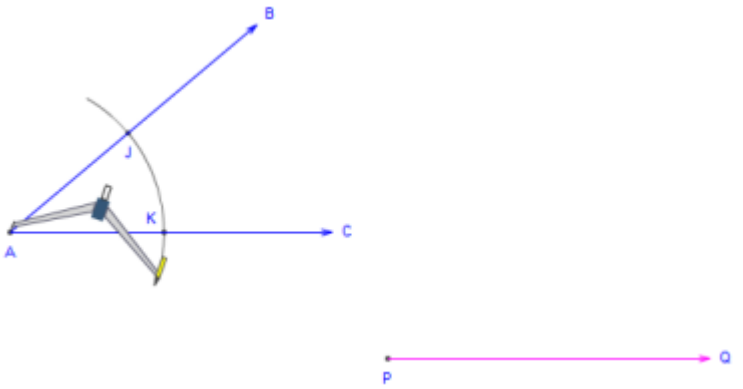
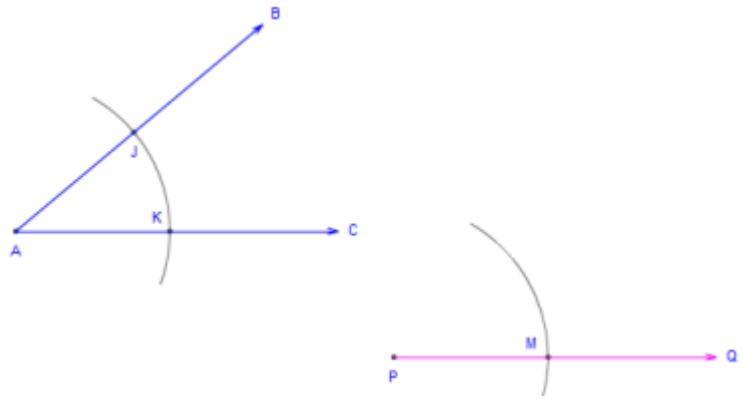
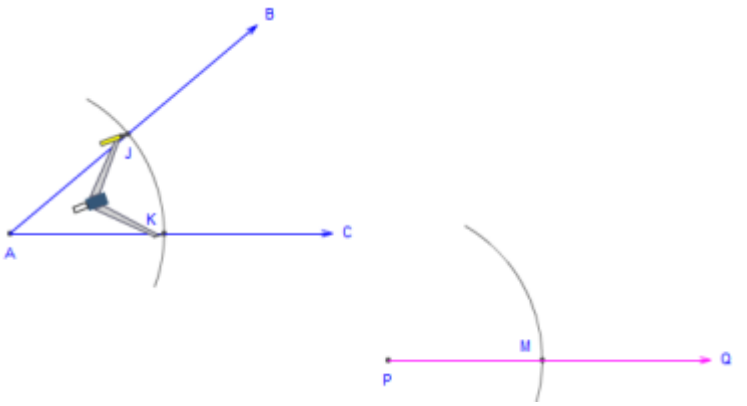
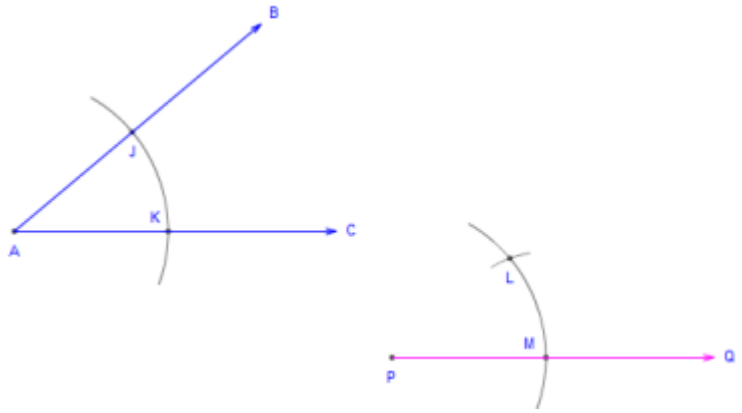
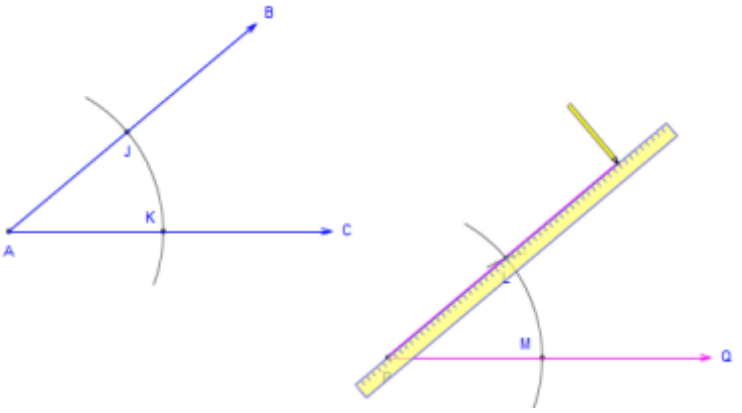
Copying an angle

	After doing this	Your work should look like this
Step 1	Start with an angle BAC that we will copy.	
Step 2	Make a point P that will be the vertex of the new angle.	
Step 3	From P, draw a ray PQ. This will become one side of the new angle. This ray can go off in any direction. It does not have to be parallel to anything else. It does not have to be the same length as AC or AB.	

	After doing this	Your work should look like this
Step 4	Place the compasses on point A, set to any convenient width.	
Step 5	Draw an arc across both sides of the angle, creating the points J and K as shown.	
Step 6	Without changing the compasses' width, place the compasses' point on P and draw a similar arc there, creating point M as shown.	
Step 7	Set the compasses on K and adjust its width to point J.	

	After doing this	Your work should look like this
Step 8	Without changing the compasses' width, move the compasses to M and draw an arc across the first one, creating point L where they cross.	
Step 9	Draw a ray PR from P through L and onwards a little further. The exact length is not important.	
Step 10	**Done**. The angle ∠RPQ is congruent (equal in measure) to angle∠BAC.