

DIAGRAMS	STEPS	WHAT THIS DOES (justification)
	1. Start with $\angle ABC$ .	
	2. From a new endpoint $B'$ , draw a ray. This will become one side of the new angle.	
	3. Place the compass pivot point on $B$ . Set the radius to a length so that an arc will intersect both sides. Draw an arc across both sides of the angle, creating the points $J$ and $K$ as shown.	
	4. Without changing the radius, place the compass pivot point on $P$ and draw an arc, creating point $M$ as shown.	
	5. Set the compass on $K$ and adjust the radius length so the pencil is on point $J$ .	
	6. Without changing the compass radius, move the compass pivot point to $M$ and draw a new arc across the first arc, creating point $L$ where they cross.	
	7. Draw a ray $PR$ from $P$ through $L$ .	