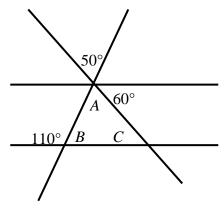
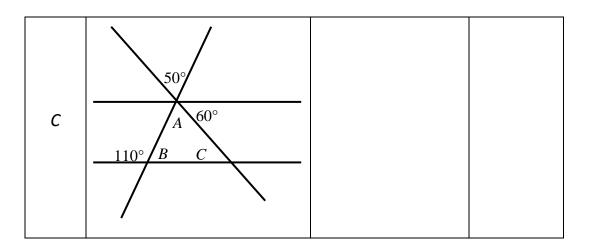
## **Combining Properties**

1. Determine the measure of angles *A*, *B*, and *C* in the diagram provided. Provide an explanation of how each angle measure is determined, using appropriate terminology and properties.



Angle	Diagram	<b>Properties Used</b>	Angle Measure
A	50°		
	$A 60^{\circ}$ $B C$		
В	50°		
	$A 60^{\circ}$ $B C$		



2. Determine the measure of angles *A*, *B*, *C*, and *D* in the diagram provided. Provide an explanation of how each angle measure is determined, using appropriate terminology and properties.

Angle	Diagram	Transversal rules used	Angle Measure
A	A $A$ $A$ $A$ $A$ $A$ $A$ $A$ $A$ $A$		
В	$A$ $B$ $A$ $63^{\circ}$ $C$ $D$		
С	A $B$ $A$		

