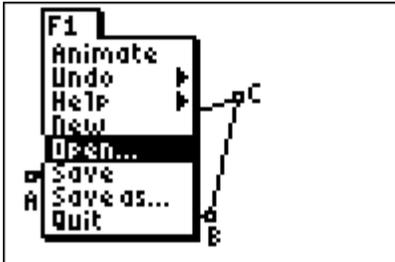
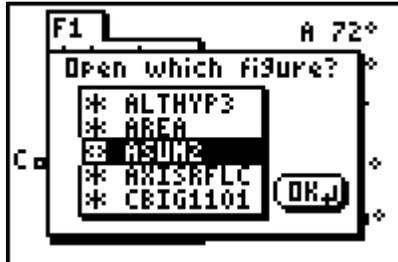
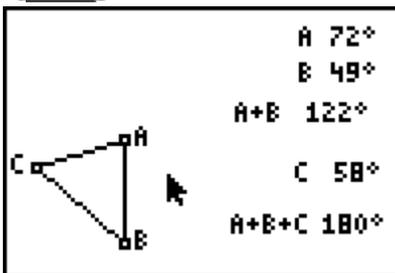
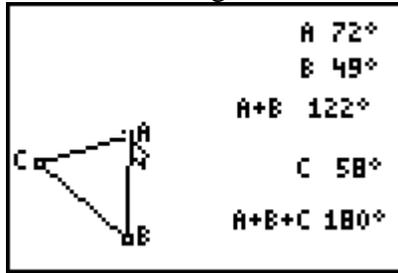
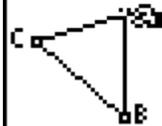


Student Worksheet for G.G. 30

<p>After turning on your handheld press</p> <p><b>APPS</b></p> 	<p>Select CabriJr.</p> <p><b>5</b></p> 
<p><b>Y=</b>  scroll down to Open</p> 	<p><b>ENTER</b> scroll to TRISUM</p> 
<p><b>ENTER</b></p> 	<p>Now position the cursor over any vertex. The vertex will become “active” and the cursor will change to a hollow arrow.</p> 

<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px; background-color: #c8e6c9; border-radius: 5px; display: inline-block;">ALPHA</div> <div style="display: flex; align-items: center;">  <div style="margin-left: 20px;"> <p>A <math>72^\circ</math></p> <p>B <math>49^\circ</math></p> <p>A+B <math>122^\circ</math></p> <p>C <math>58^\circ</math></p> <p>A+B+C <math>180^\circ</math></p> </div> </div>	<p>You have now selected a vertex and grabbed the vertex. Now use your cursor to drag the vertex and observe what happens on your calculator.</p> <p>Answer the questions below.</p>
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- 1) As you dragged the vertex what measures were changing?  
\_\_\_\_\_
- 2) As you dragged the vertex what measures remained the same?  
\_\_\_\_\_
- 3) Press CLEAR and select a second vertex to drag. As you dragged the vertex what measures were changing?  
\_\_\_\_\_
- 4) As you dragged the vertex what measures remained the same?  
\_\_\_\_\_
- 5) Press CLEAR and select a third vertex to drag. As you dragged the vertex what measures were changing?  
\_\_\_\_\_
- 6) As you dragged the vertex what measures remained the same?  
\_\_\_\_\_
- 7) From your observations and answers to the previous questions what seems to be true regarding the sum of the angles of a triangle? \_\_\_\_\_
- 8) Write a statement which summarizes your observations.  
\_\_\_\_\_