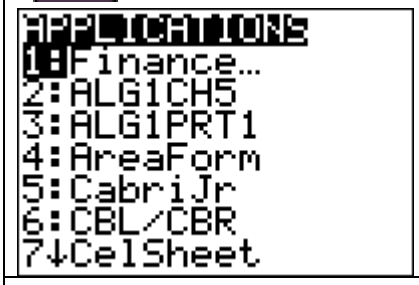
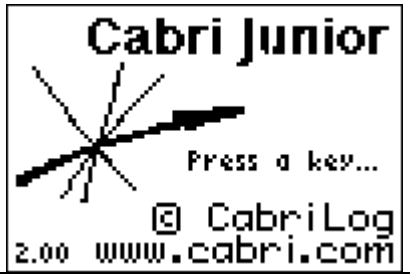
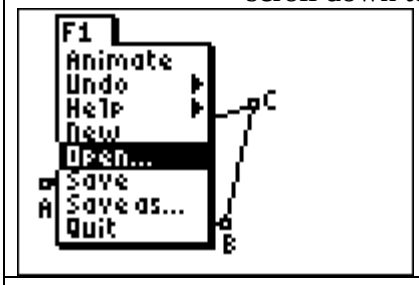
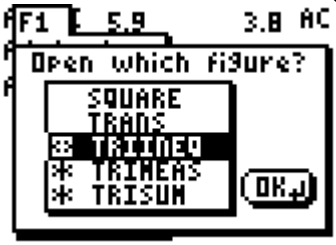
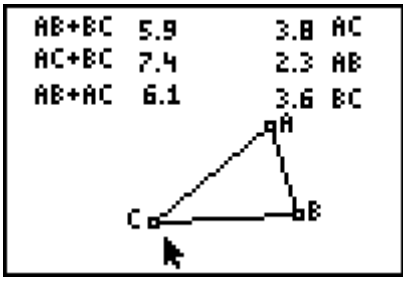
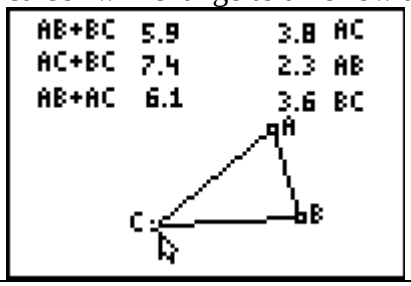
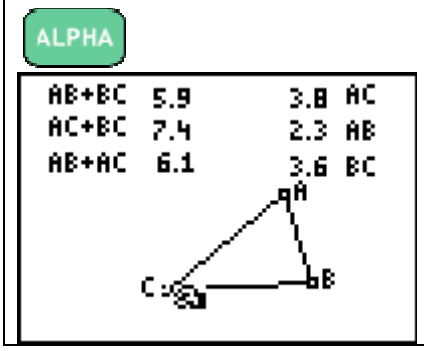
Student Worksheet for G.G. 33

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

	You have now selected a point, grabbed the point now use your cursor to drag the point and observe what happens on your calculator. Answer the questions below.

1) As you drag vertex C what changes?

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2) As you drag vertex C what remains the same?

_____

3) As you drag vertex B what changes?

_____

4) As you drag vertex B what remains the same?

_____

5) As you drag vertex A what changes?

_____

6) As you drag vertex A what remains the same?

_____

7) Compare the sum AB+BC to the length of AC. Using the symbols <, >, and = supply the correct symbol for AB+BC _____ AC.
8) Compare the sum AC+BC to the length of AB. Using the symbols <, >, and = supply the correct symbol for AB+BC _____ AB.
9) Compare the sum AB+AC to the length of BC. Using the symbols <, >, and = supply the correct symbol for AB+BC _____ BC.
10) Write a general statement concerning the sum of two sides of a triangle as it compares to the third side.

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