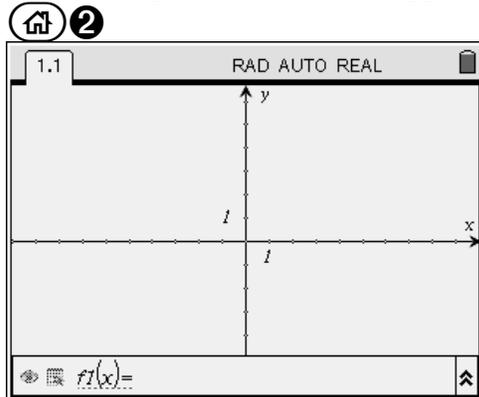
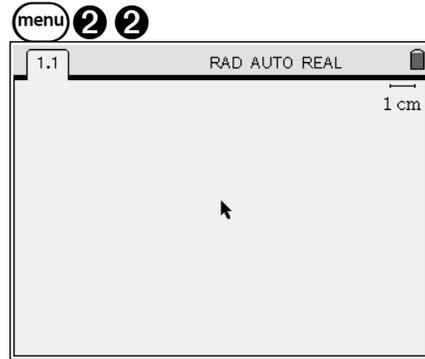


Creating the sum of the angles of a triangle using Nspire

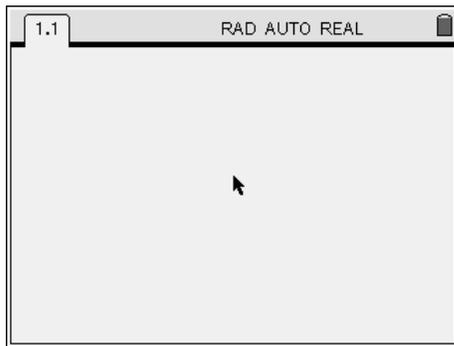
Open a Graphs and Geometry application page



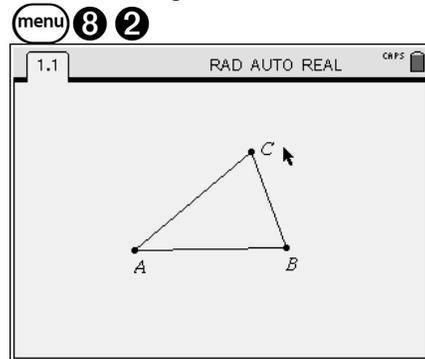
Change the view to Plane Geometry view



Hide the scale **(menu) 2 7**



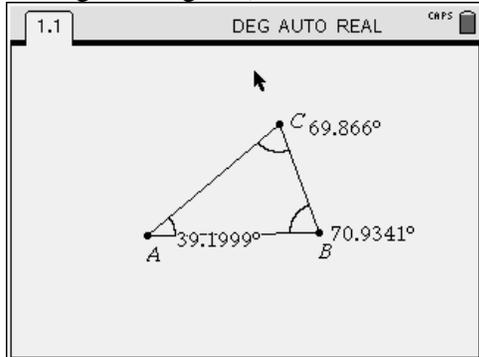
Draw a triangle label ABC



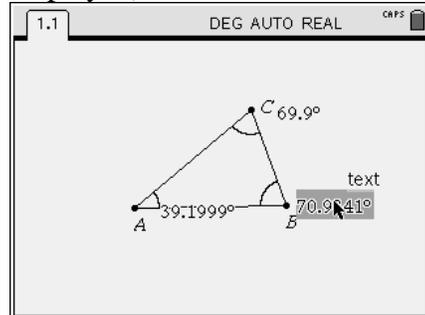
Measure the angles of  $\triangle ABC$

**(menu) 7 4**

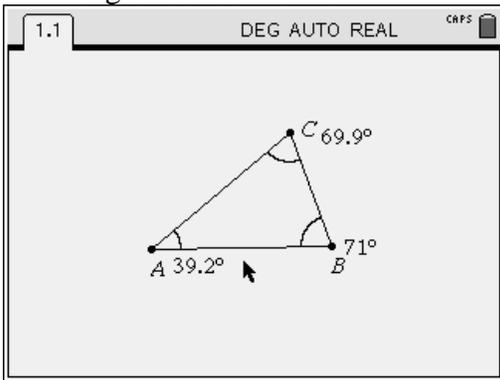
Select each vertex in succession to find the appropriate measures (make sure to change the settings to Degrees)



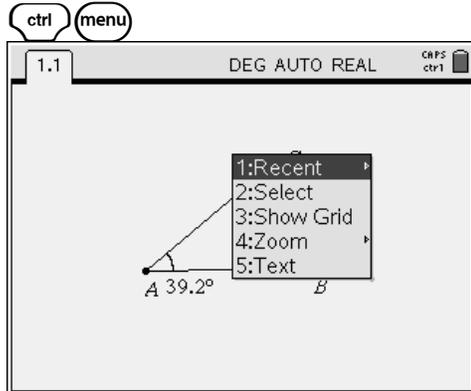
Change the number of decimal places displayed by selecting a measure (move cursor over number press **(enter)** and then press **-** until only tenths are displayed)



Each angle rounded to the tenth

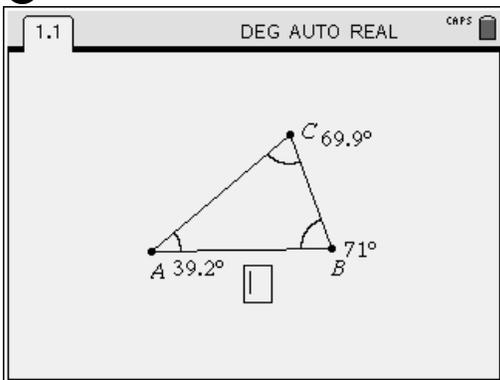


To calculate the sum of the angles we will need to open a text box and type in a formula.

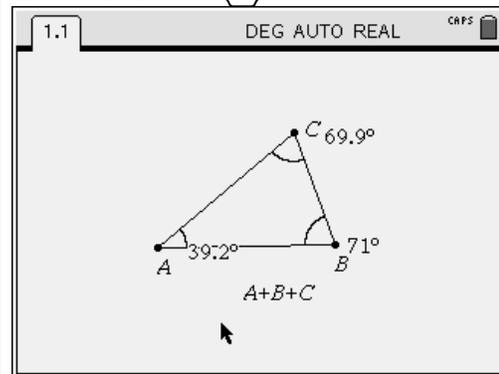


Select choice 5

5



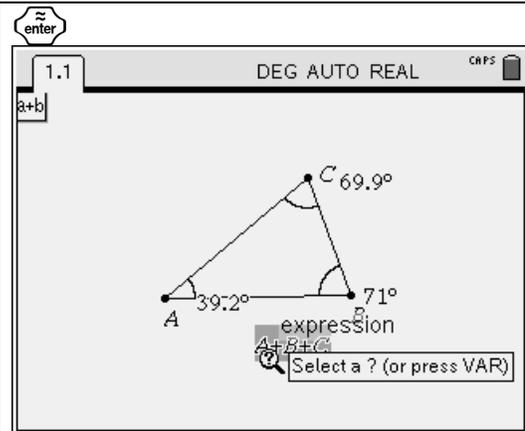
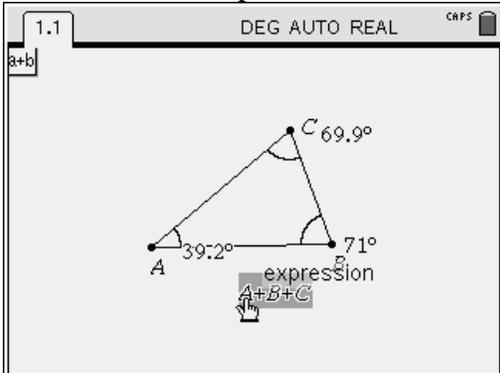
Enter  $A+B+C$   $\approx$  enter



To calculate this sum

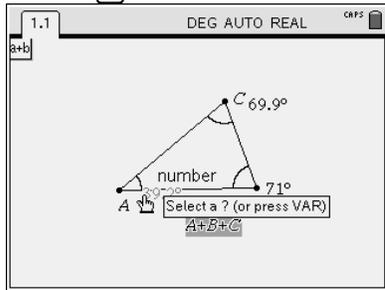
menu 1 8

move cursor to Expression



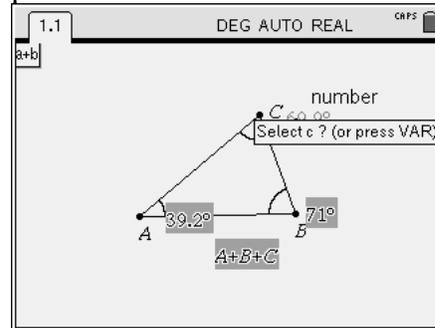
Now move the cursor to the measure of angle A and press  $\approx$  enter

Press 

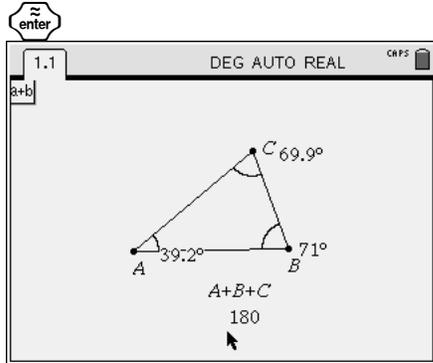


Follow instruction until all three measures have been selected

This is the final selection once  is pressed the formula will be evaluated.



Move the result near the formula and press



Now you can drag any vertex and answer the questions which follow.