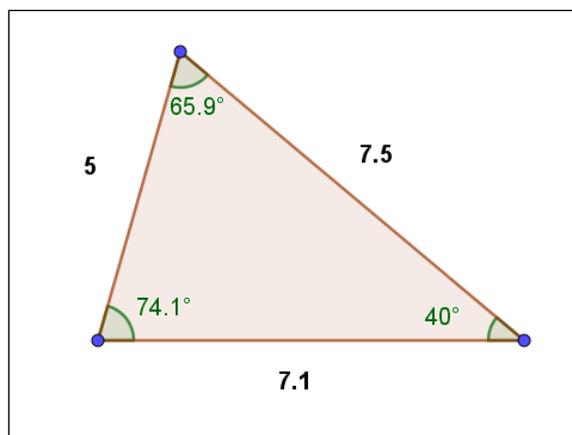CONSTRUCTION NOTES To Create Figure:

In SETTINGS Global, set Labeling to "No New Objects"

Hide the Grid and Axes.



1.  Use the **Polygon** tool to create a triangle.

2.  Use the **Distance or Length** tool to measure the three sides of the triangle.
    *Click on each side to avoid labels.*

3.  Use the **Angle Measure** tool to measure the 3 interior angles of the triangle.
    *Click on vertices in a clockwise orientation.*

4.  In the ALGEBRA VIEW, calculate the value the largest side length squared. (This may not be side "c", but this is the value of $c^2$).  Note the variable given for this result, probably "d".

5.  Calculate the value of the $a^2 + b^2$, using the lengths of the two smaller sides. Note the variable given for this result, probably "e".

6.  In the GRAPHICS view (click on TOOLS) select the **Text** tool.  Click on a location nearby the longest side.
    - Type "c^2 =" and click on LaTeX formula
    - Click on Advanced
    - Click on  and choose the GeoGebra object "d" (or whichever variable is $c^2$)
    - Click Preview and OK.

7.  Repeat the above steps to create text $a^2 + b^2 =$ GeoGebra object "e".