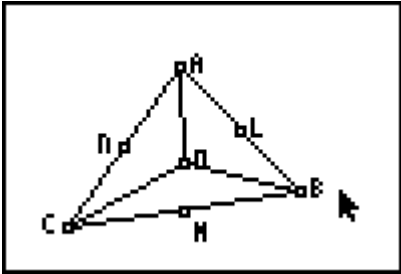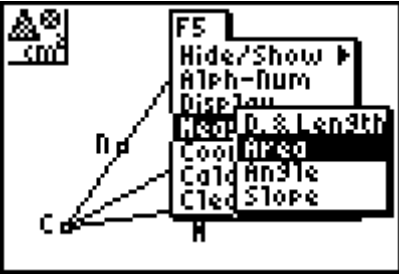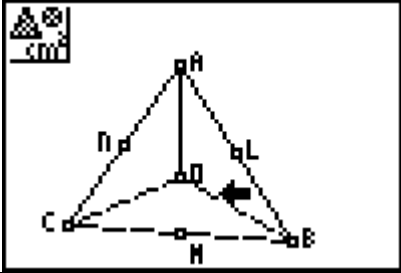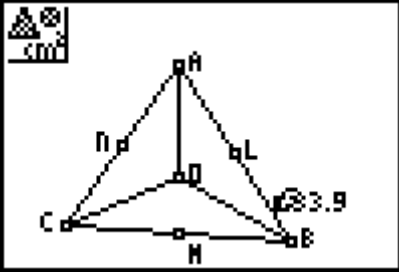Investigating the area and the centroid of a circle:

Open CTR1 and hide all the medians	Draw ΔBOC, ΔAOC and ΔAOB
Find the areas of ΔBOC, ΔAOC and ΔAOB	Move the cursor so that the desired triangle becomes "active" and press [ENTER]
	Find the areas of the three triangles then press [CLEAR] Now select, grab and drag the vertices of the triangle and investigate the results by answering the following questions.

1) What is true about the areas of ΔBOC, ΔAOC and ΔAOB? _____

2) How could you find the area of ΔABC with this information?

_____

3) Write a statement that you believe to be true from your observations.

_____