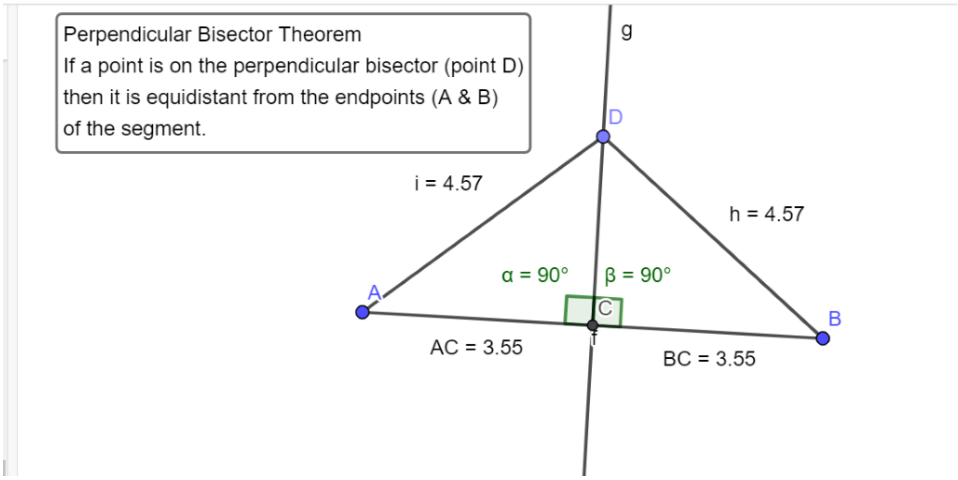
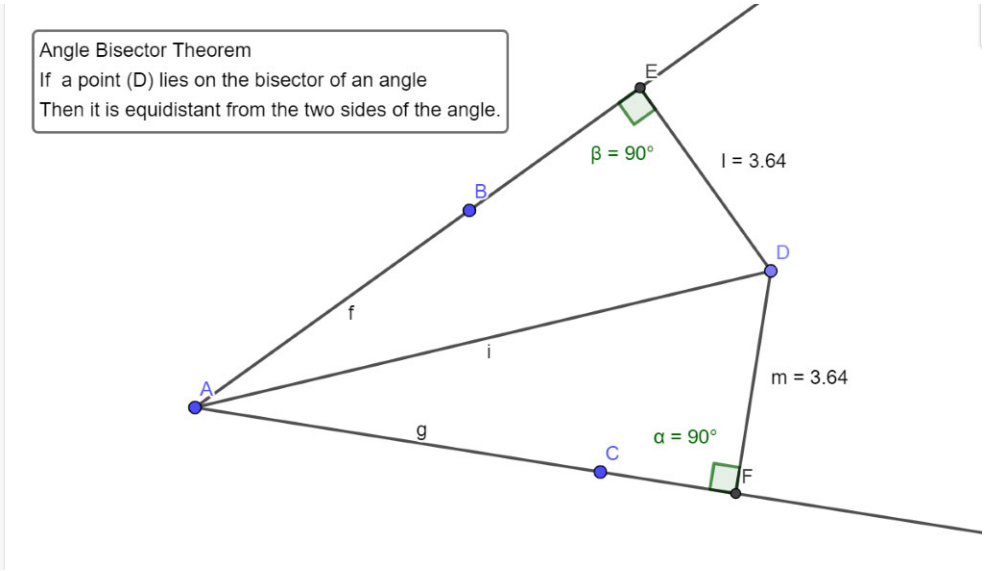
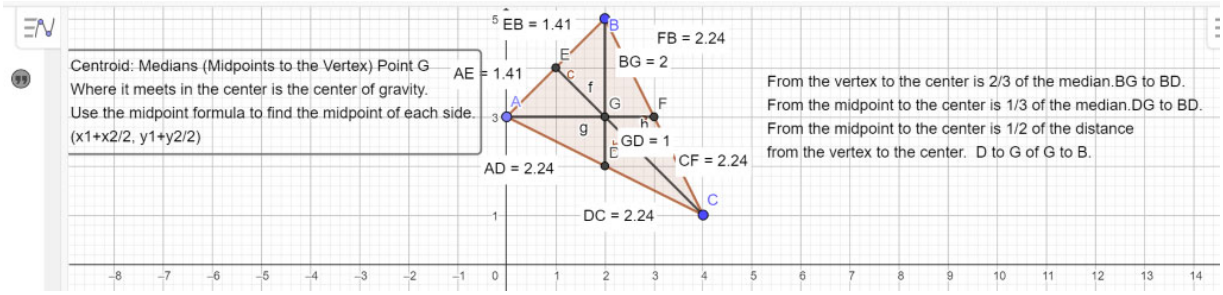
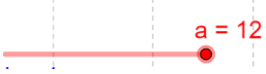
Geogebra

Tuesday, February 7, 2023 8:04 AM

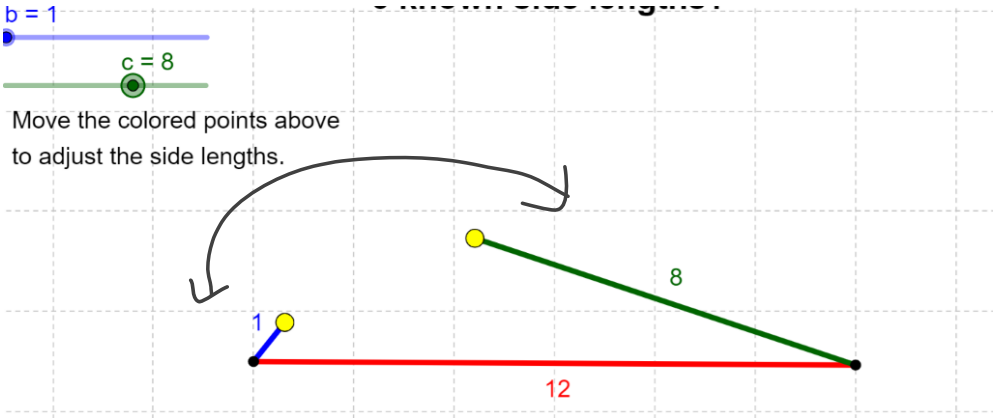






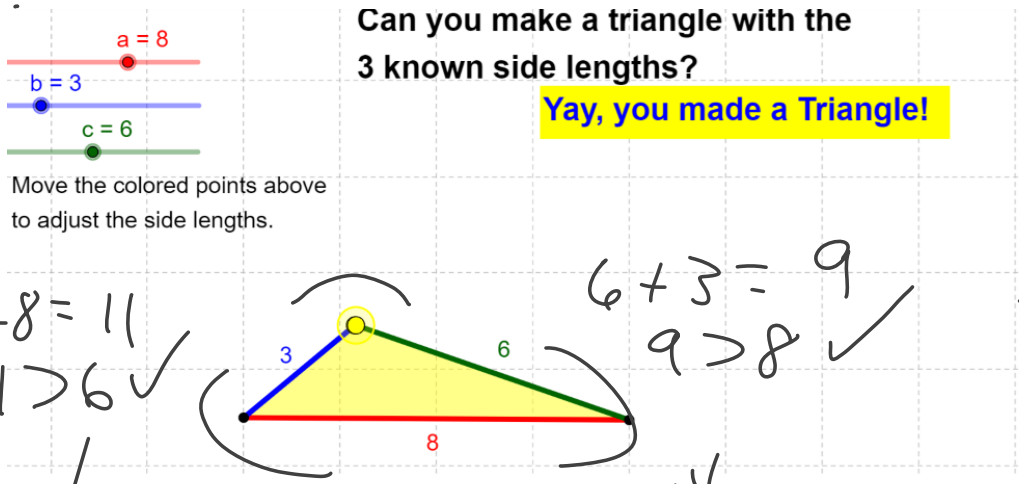


Can you make a triangle with the 3 known side lengths?



NO because $8+1 \not> 12$

$9 \not> 12$



$3+8=11$

$11>6$ ✓

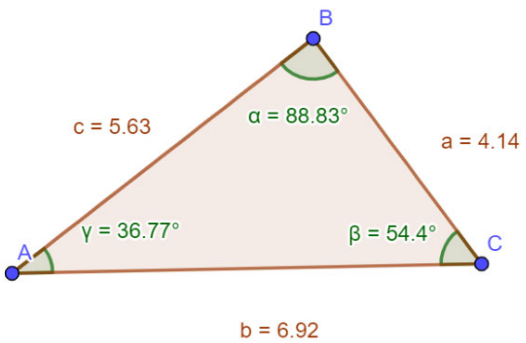
$6+3=9$

$9>8$ ✓

$6+8=14$

$14>3$ ✓

in a triangle the two sides must be greater than the 3rd



The smallest angle is across from the smallest side.
The largest angle is across from the largest side.