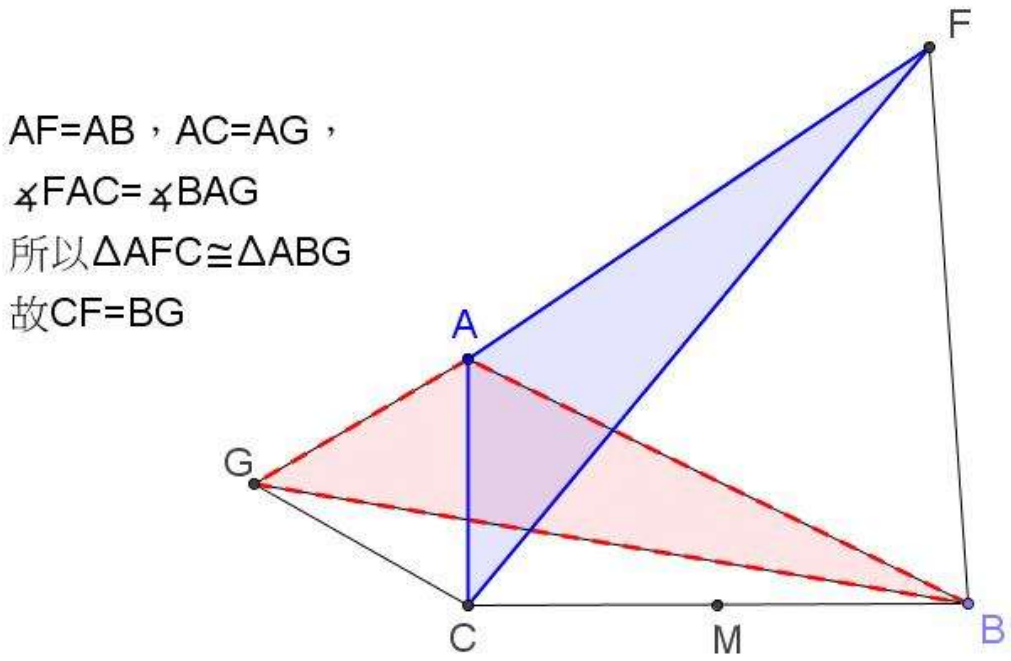
7.



由中線定理知

$FC^2+FB^2=2(MC^2+FM^2)$
$GC^2+GB^2=2(MC^2+GM^2)$

二式相減

$FC^2+FB^2-GC^2-GB^2=2FM^2-2GM^2$ (FC=GB)

$AB^2-AC^2=2\times11^2-2\times7^2$ (ABC 為直角三角形)

$BC^2=144$

BC=12(負不合)