



I.22:5. Let the three given straight lines be A, B, C.









I.22:21. and let KF, KG be joined;





I.22:22. I say that the triangle KFG has been constructed out of three straight lines equal to A, B, C.

*Note*: If we had insisted on complete expansion, using the full construction of I.3 (13 steps) three separate times, this construction would have had 43 steps, rather than 7. Surely the extra 36 operations, including 15 circles drawn with the compass, would introduce more errors than the three substitute steps here, done with the divider.

