Proposition 23: *Given an angle and a point on a given line, we can create an angle, equal to the given angle, with vertex at the given point, and one side along the given line.*

Proof: Let ∠A be given, l the given line and B the given point. Let C be the vertex of ∠A, and pick points D,E on the two rays which are trhe sides of ∠A. Draw DE, by Postulate 1. By Proposition 22, construct a triangle BFG, with B as one vertex, with BF=CD, BG=CE, and FG=DE, and one side on l, say BF. Then, by Proposition 8, △BGF≅△CED, so ∠A=∠DCE=∠FBG. Thus, we have constructed an angle with vertex B, along line l, which is equal to ∠A. **QEF**