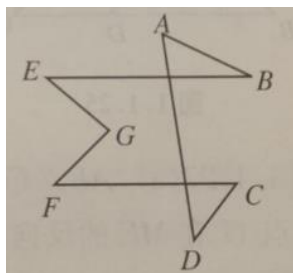


Example 1 99 : As shown in Figure 1 , it is known that $\angle EGF = \angle BEG + \angle CFG$. Proof: $\angle A + \angle B + \angle C + \angle D = 180^\circ$.



Proof:
$$\frac{\frac{E-B}{G-F} \frac{F-G}{G-E}}{\frac{E-G}{G-F} \frac{F-C}{G-E}} = -\frac{A-B}{A-D} \frac{B-E}{B-A} \frac{C-D}{C-F} \frac{D-A}{D-C},$$