Proof Chapter Homework 1

1.
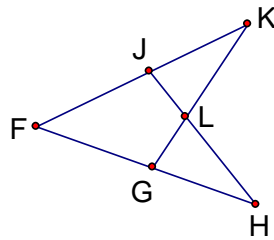
A figure showing points A, B, C, D, E forming two triangles sharing vertex C.
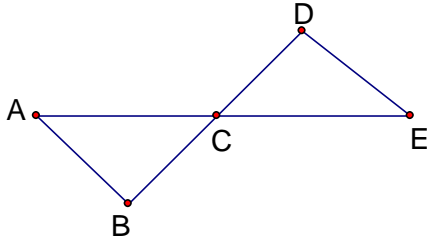
Given: C is the midpoint of $\overline{AE}$ and $\overline{BD}$.
Prove: $\angle B = \angle D$

Statement	**Justification**

2

A figure showing points F, J, K, L, G, H forming intersecting triangles.

Given: $\overline{FK} = \overline{FH}$; $\angle H = \angle K$
Prove: $JH = GK$

Statement	**Justification**