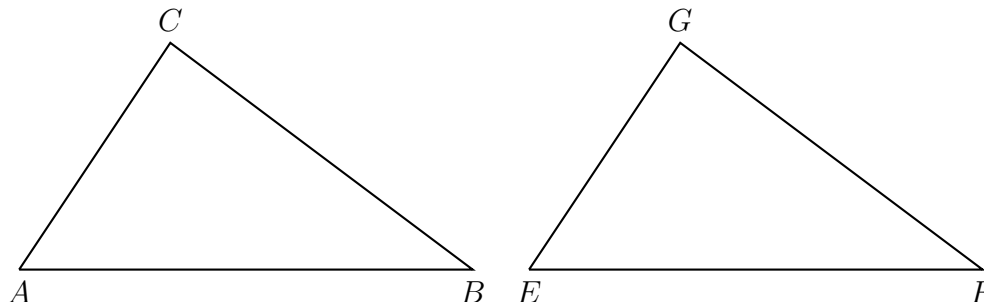


Classwork: Triangle congruence proofs

1. Given $\triangle ABC$ and $\triangle EFG$ with $\angle A \cong \angle E$, $\overline{AB} \cong \overline{EF}$, and $\overline{AC} \cong \overline{EG}$. Prove $\triangle ABC \cong \triangle EFG$.



Statement

Reason

(a) $\triangle ABC, \triangle EFG$

(a) Given

(b) $\angle A \cong \angle E$

(b) _____

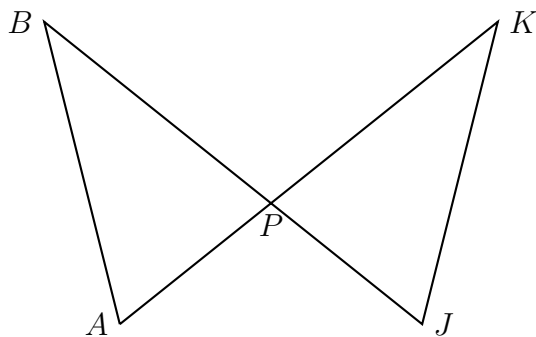
(c) $\overline{AB} \cong \overline{EF}$, and $\overline{AC} \cong \overline{EG}$

(c) _____

(d) $\triangle ABC \cong \triangle EFG$

(d) _____

2. Given $\triangle ABP$ and $\triangle JKP$ with $\angle A \cong \angle J$ and $\overline{AP} \cong \overline{JP}$. Prove $\triangle ABP \cong \triangle JKP$.



Statement

Reason

(a) $\triangle ABP, \triangle JKP$

(a) Given

(b) _____

(b) Given

(c) $\angle APB \cong \angle JPK$

(c) _____

(d) $\triangle ABP \cong \triangle JKP$

(d) _____