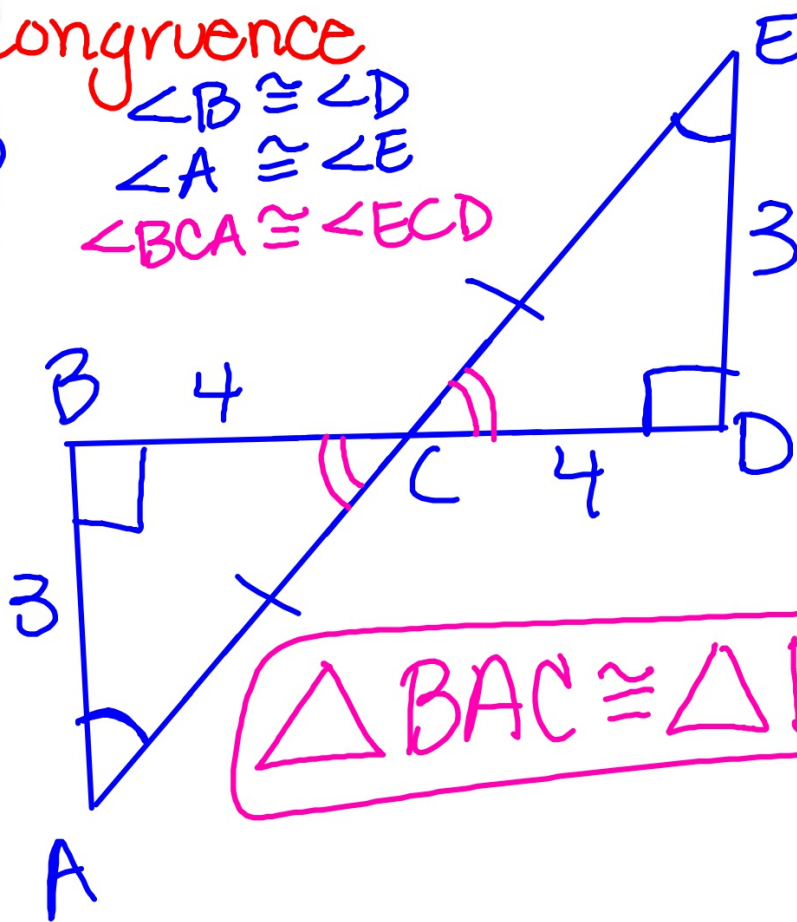


Triangle Congruence

$$\begin{aligned}\overline{BA} &\cong \overline{ED} \\ \overline{AC} &\cong \overline{EC} \\ \overline{CD} &\cong \overline{CB}\end{aligned}$$

$$\begin{aligned}\angle B &\cong \angle D \\ \angle A &\cong \angle E \\ \angle BCA &\cong \angle ECD\end{aligned}$$



$$\triangle BAC \cong \triangle DEC$$

AAS Angle Angle Side

Angle: $\angle C \cong \angle X$

Angle: $\angle D \cong \angle G$

Side: $\overline{DM} \cong \overline{GT}$

$\triangle CDM \cong \triangle XGT$

ASA Angle Side Angle

Angle: $\angle G \cong \angle K$

Side: $\overline{GH} \cong \overline{KN}$

Angle: $\angle H \cong \angle N$

$\triangle \underline{HBG} \cong \triangle \underline{NPK}$

BGH
GBH

PNK
KPN

SSS Side - Side - Side

Side: $\overline{GH} \cong \overline{PQ}$

Side: $\overline{GF} \cong \overline{PR}$

Side: $\overline{QR} \cong \overline{HF}$

$$\triangle \underline{QRP} \cong \triangle \underline{HFG}$$

SAS

Side - Angle - Side

Side: $\overline{CB} \cong \overline{DF}$

Angle: $\angle C \cong \angle D$

Side: $\overline{DE} \cong \overline{CA}$

$\triangle \underline{BCA} \cong \triangle \underline{FDE}$