

Triangle Congruence 2
Geometry

(KEY)

Name the corresponding parts for each pair of congruent triangles.

1) $\triangle ABC \cong \triangle HIJ$

2) $\triangle YES \cong \triangle NOP$

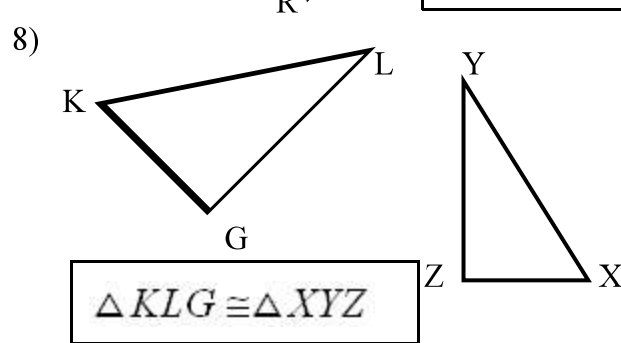
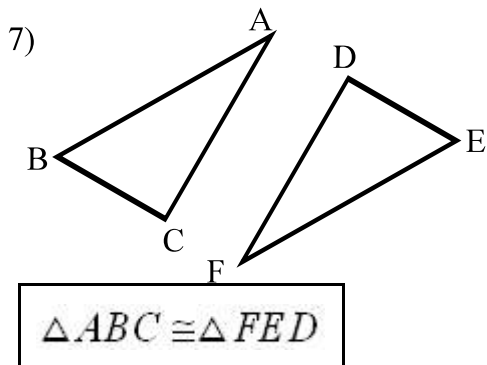
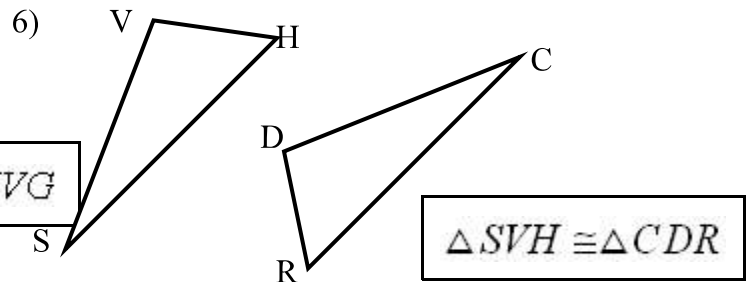
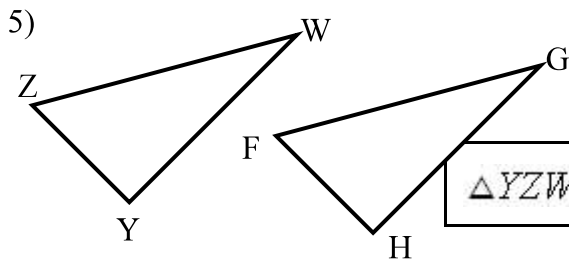
3) $\triangle CAT \cong \triangle GOP$

4) $\triangle SUV \cong \triangle XYZ$

$$\begin{aligned} \angle A &\cong \angle H, & \overline{AB} &\cong \overline{HI}, \\ \angle B &\cong \angle I, & \overline{BC} &\cong \overline{IJ}, \\ \angle C &\cong \angle J, & \overline{AC} &\cong \overline{HJ} \end{aligned}$$

$$\begin{aligned} \angle C &\cong \angle G, & \overline{CA} &\cong \overline{GO}, \\ \angle A &\cong \angle O, & \overline{AT} &\cong \overline{OP}, \\ \angle T &\cong \angle P, & \overline{CT} &\cong \overline{GP} \end{aligned}$$

Name the corresponding parts in each pair of triangles, and make a congruence statement..



$$\begin{aligned} \angle A &\cong \angle F, & \overline{AB} &\cong \overline{FE} \\ \angle B &\cong \angle E, & \overline{BC} &\cong \overline{ED} \\ \angle C &\cong \angle D, & \overline{AC} &\cong \overline{FD} \end{aligned}$$

Given some corresponding parts in two congruent triangles, make a congruence statement about the triangles.

9) $\overline{RS} \cong \overline{JK}, \overline{RT} \cong \overline{JL}, \angle T \cong \angle L, \overline{ST} \cong \overline{KL}$

$$\triangle RST \cong \triangle JKL$$

10) $\angle A \cong \angle N, \angle C \cong \angle P, \overline{BC} \cong \overline{OP}, \overline{AC} \cong \overline{NP}$

$$\triangle BCA \cong \triangle OPN$$

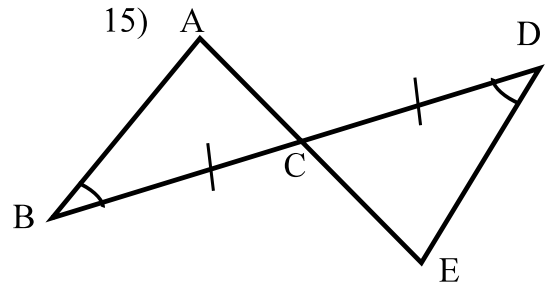
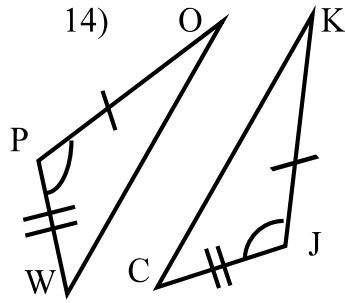
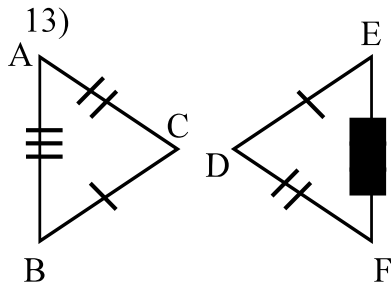
11) $\triangle FDR \cong \triangle WSC$. Which of the following is also a true statement?

- A) $\overline{FD} \cong \overline{SC}$ B) $\triangle FDR \cong \triangle WCS$ C) $\triangle DRF \cong \triangle SCW$ D) $\angle R \cong \angle W$

12) $\triangle RAL \cong \triangle DXV$. Which of the following is also a true statement?

- A) $\angle A \cong \angle V$ B) $\overline{AL} \cong \overline{XV}$ C) $\triangle LRA \cong \triangle DXV$ D) $\triangle RAL \cong \triangle XV D$

What information is shown in each drawing?



$$\begin{aligned}\overline{AB} &\cong \overline{FE} \\ \overline{AC} &\cong \overline{FD} \\ \overline{BC} &\cong \overline{ED}\end{aligned}$$

$$\begin{aligned}\overline{PO} &\cong \overline{JK} \\ \overline{PW} &\cong \overline{JC} \\ \angle P &\cong \angle J\end{aligned}$$

$$\begin{aligned}\angle ACB &\cong \angle ECD \\ \overline{CB} &\cong \overline{CD} \\ \angle B &\cong \angle D\end{aligned}$$