$\angle D \cong \angle J$ $\overline{DE} \cong \overline{JK}$

$\angle E \cong \angle K$ $\overline{CE} \cong \overline{HK}$

Triangle Congruence
Geometry

Name the corresponding parts for each pair of congruent triangles.

1) $\Delta ABC \cong \Delta XYZ$ 2) $\Delta EFG \cong \Delta JKL$ 3) $\Delta MNP \cong \Delta QRS$ 4) $\Delta TVW \cong \Delta XYZ$

$\angle A \cong \angle X$ $\overline{AB} \cong \overline{XY}$

$\angle B \cong \angle Y$ $\overline{BC} \cong \overline{YZ}$

$\angle C \cong \angle Z$ $\overline{AC} \cong \overline{XZ}$

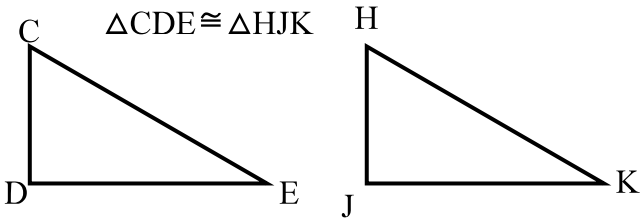
$\angle T \cong \angle X$ $\overline{TV} \cong \overline{XY}$

$\angle V \cong \angle Y$ $\overline{VW} \cong \overline{YZ}$

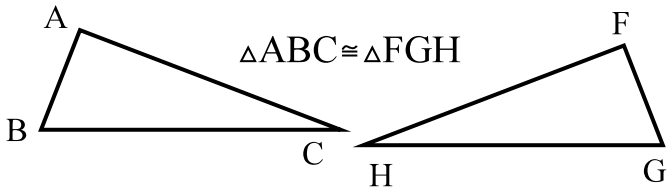
$\angle W \cong \angle Z$ $\overline{TW} \cong \overline{XZ}$

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

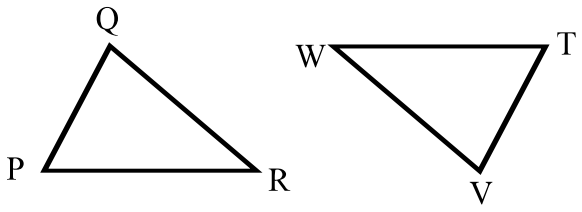
5) $\Delta CDE \cong \Delta HJK$



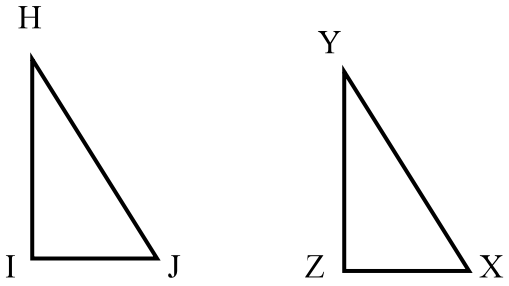
6) $\triangle ABC \cong \triangle FGH$



7)



8)



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

9) $\angle C \cong \angle Q$, $\overline{BD} \cong \overline{RT}$, $\angle D \cong \angle T$, $\overline{CD} \cong \overline{QT}$

$\Delta CBD \cong \Delta QRT$

10) $\overline{KH} \cong \overline{YX}$, $\angle H \cong \angle X$, $\angle J \cong \angle Z$, $\overline{KJ} \cong \overline{YZ}$

$\Delta HJK \cong \Delta XZY$

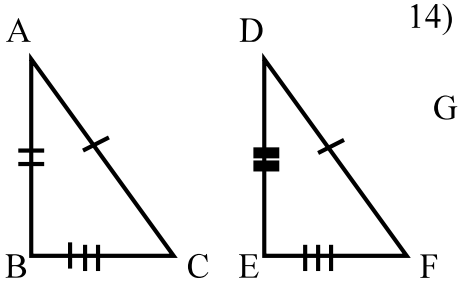
11) $\Delta FGH \cong \Delta TRQ$. Which of the following is also a true statement?

A) $\Delta FGH \cong \Delta QTR$ B) $\angle G \cong \angle Q$ C) $\overline{FH} \cong \overline{TQ}$ D) $\Delta FHG \cong \Delta TRQ$

12) $\Delta JMK \cong \Delta ZXY$. Which of the following is also a true statement?

A) $\angle J \cong \angle Y$ B) $\overline{JM} \cong \overline{XY}$ C) $\Delta JMK \cong \Delta YXZ$ D) $\Delta MKJ \cong \Delta XYZ$

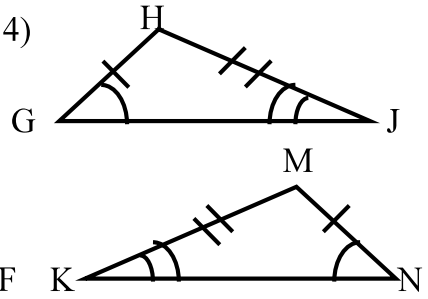
What information is shown in each drawing?

13) 

$\overline{AB} \cong \overline{DE}$

$\overline{AC} \cong \overline{DF}$

$\overline{BC} \cong \overline{EF}$

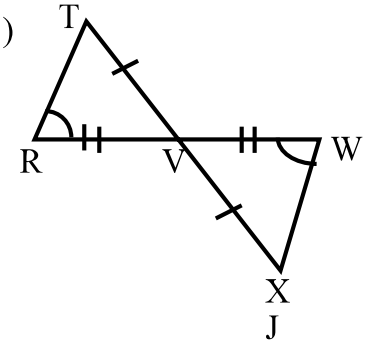
14) 

$\overline{HJ} \cong \overline{MK}$

$\overline{HG} \cong \overline{MN}$

$\angle G \cong \angle N$

$\angle J \cong \angle K$

15) 

$\overline{VT} \cong \overline{VX}$

$\overline{VR} \cong \overline{VW}$

$\angle R \cong \angle W$

$\angle RVT \cong \angle WVX$