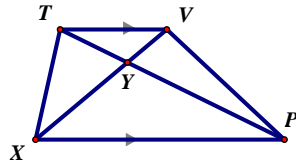
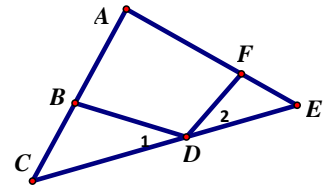


Complete the following proofs.

- 1) GIVEN: $\overline{TV} \parallel \overline{XP}$
 PROVE: $\triangle TVY \sim \triangle PXY$



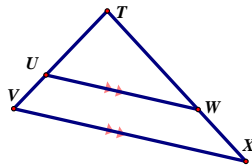
- 2) GIVEN:
 $\angle 1 \cong \angle 2$ & $\overline{AC} \cong \overline{AE}$
 PROVE:
 $\triangle CBD \sim \triangle EFD$



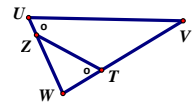
STATEMENT	REASON

STATEMENT	REASON

- 3) GIVEN:
 $\overline{UW} \parallel \overline{VX}$
 PROVE:
 $\triangle TUW \sim \triangle TVX$



- 4) GIVEN: $\angle U \cong \angle ZTW$
 PROVE: $\frac{UV}{TZ} = \frac{WU}{WT}$



STATEMENT	REASON

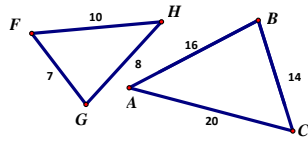
STATEMENT	REASON

5) **GIVEN:**

FG = 7 cm, GH = 8 cm, FH = 10 cm
CB = 14 cm, BA = 16 cm, AC = 20 cm

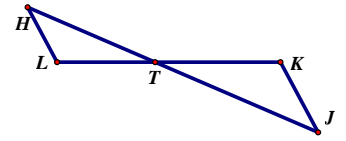
PROVE:

$$\angle F \cong \angle C$$



6) **GIVEN:** $\frac{TH}{TJ} = \frac{TL}{TK}$

PROVE: $\overline{HL} \parallel \overline{KJ}$



STATEMENT	REASON

STATEMENT	REASON