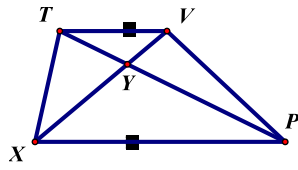
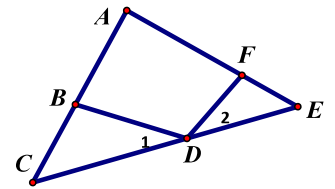


Complete the following proofs.

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



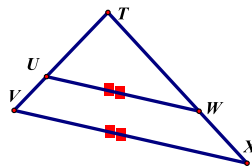
- 2) GIVEN:
 $\angle 1 \cong \angle 2$ & $\overline{AC} \cong \overline{AE}$
PROVE:
 $\triangle CBD \sim \triangle EFD$



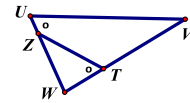
STATEMENT	REASON

STATEMENT	REASON

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



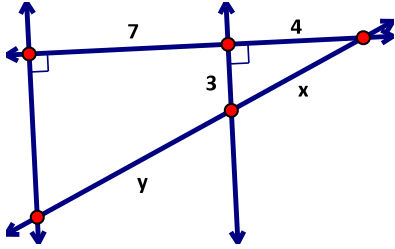
- 4) GIVEN: $\angle U \cong \angle ZTW$
PROVE: $\frac{UV}{TZ} = \frac{WU}{WT}$



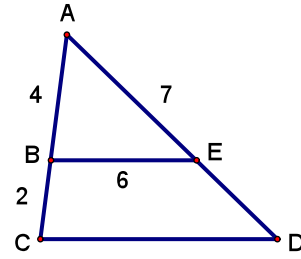
STATEMENT	REASON

STATEMENT	REASON

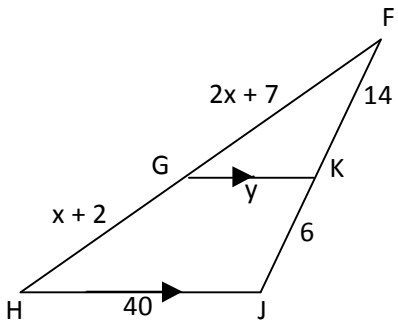
5. Solve for x and y . Hint: Use Pythagorean Thm.



6. Given: $BE \parallel CD$. Find: ED and CD .



7. Solve for x and y .



8. Simplify the following radicals.

a) $\sqrt{60}$

b) $\sqrt{200}$

c) $\sqrt{147}$

d) $\sqrt{275}$