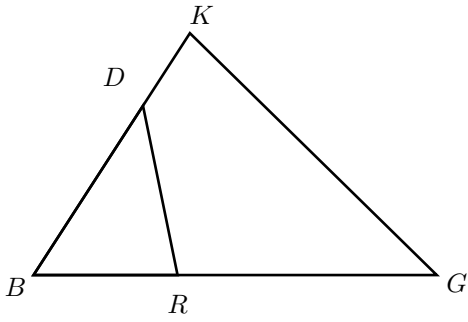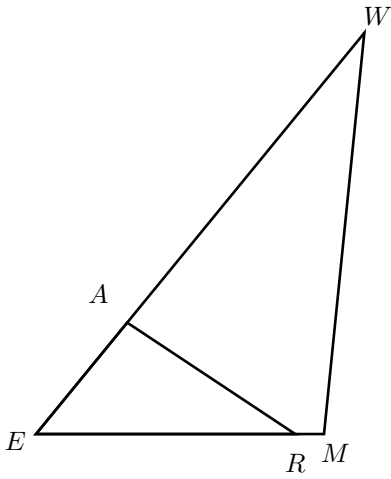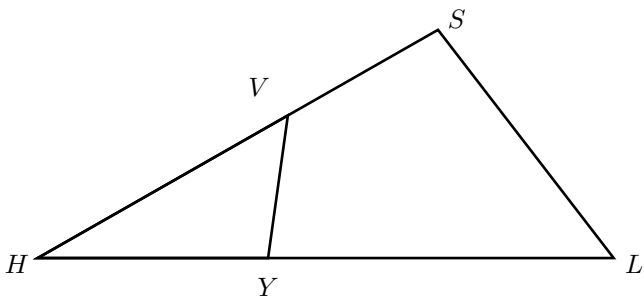1. Given that $\angle BRD \cong \angle K$, $BR = 5$, $BK = 10$, and $BD = 7$, what is the length of BG?
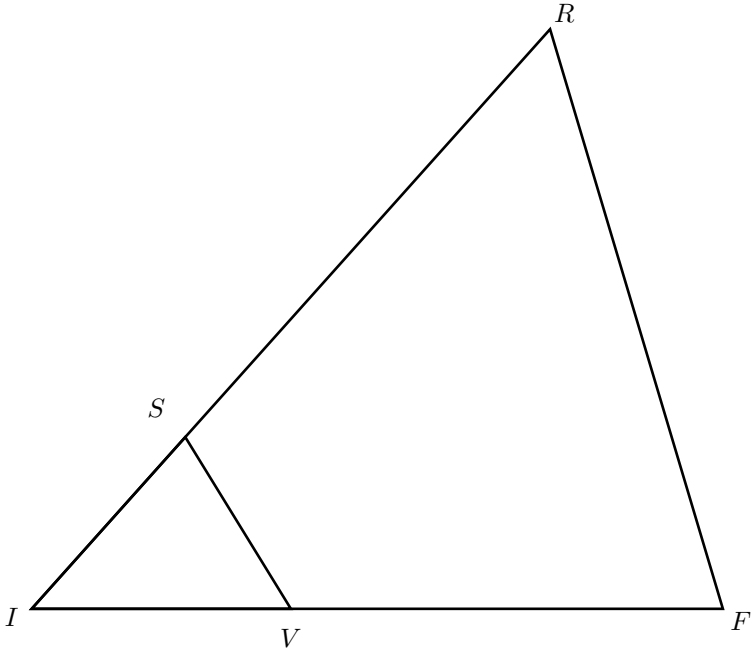

2. Given that $\angle ERA \cong \angle W$, $EA = 5$, $EM = 10$, and $ER = 9$, what is the length of EW?
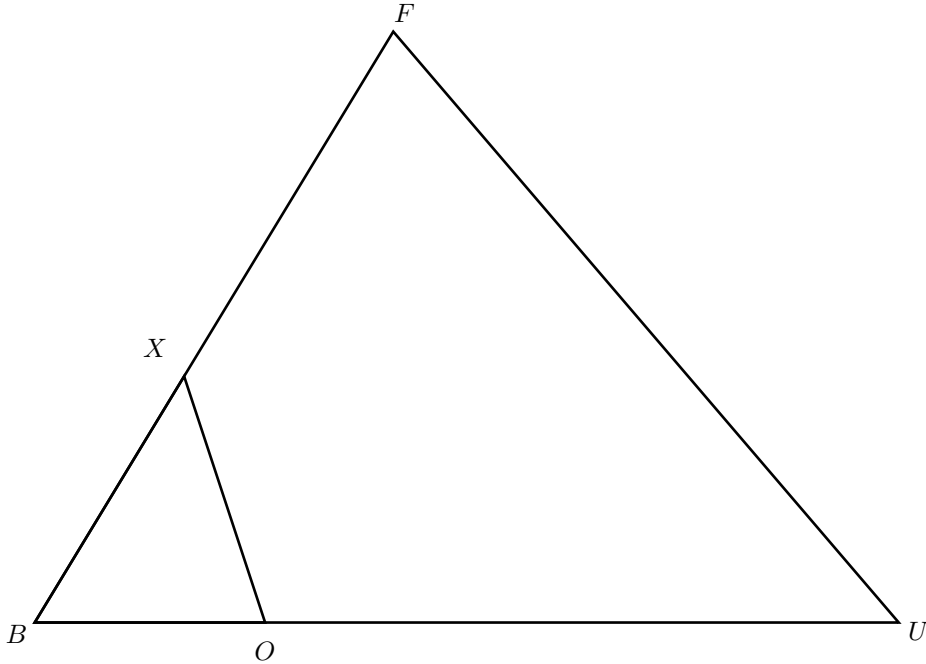

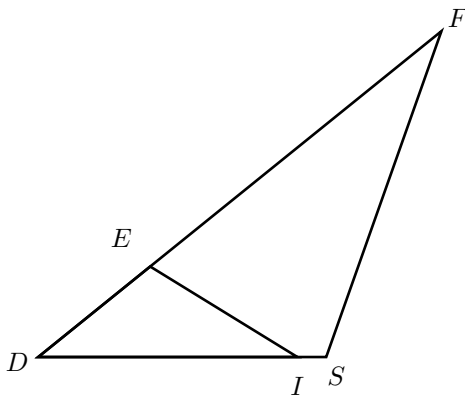3. Given that $\angle HYV \cong \angle S$, $HV = 10$, $HL = 20$, and $HY = 8$, what is the length of HS?

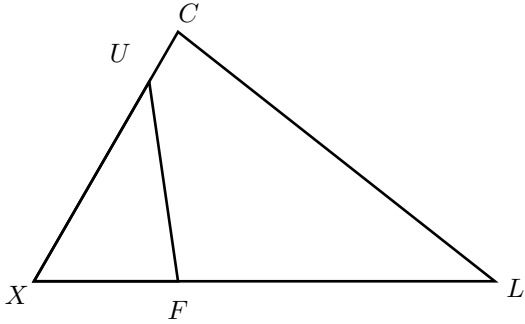4. Given that $\angle IVS \cong \angle R$, $IV = 9$, $IR = 27$, and $IS = 8$, what is the length of IF?

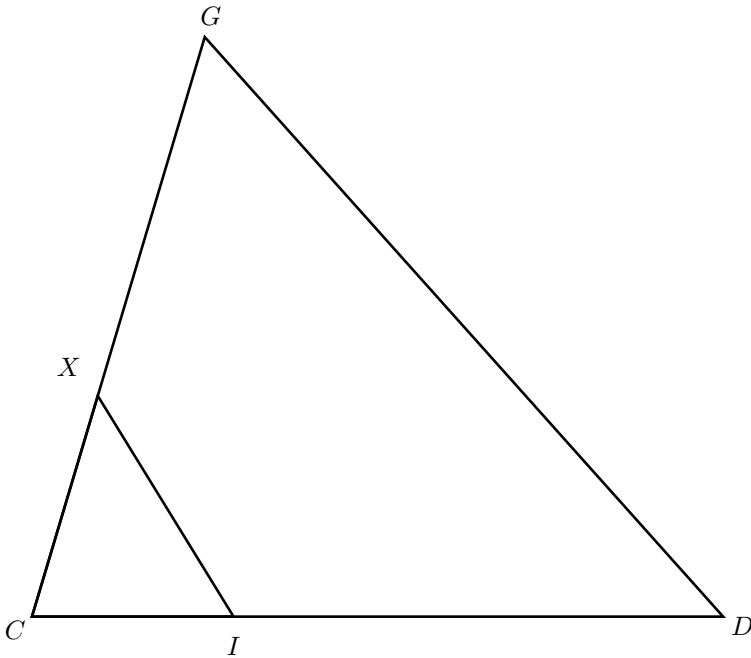5. Given that $\angle BOX \cong \angle F$, $BF = 24$, $BX = 10$, and $BU = 30$, what is the length of OU?

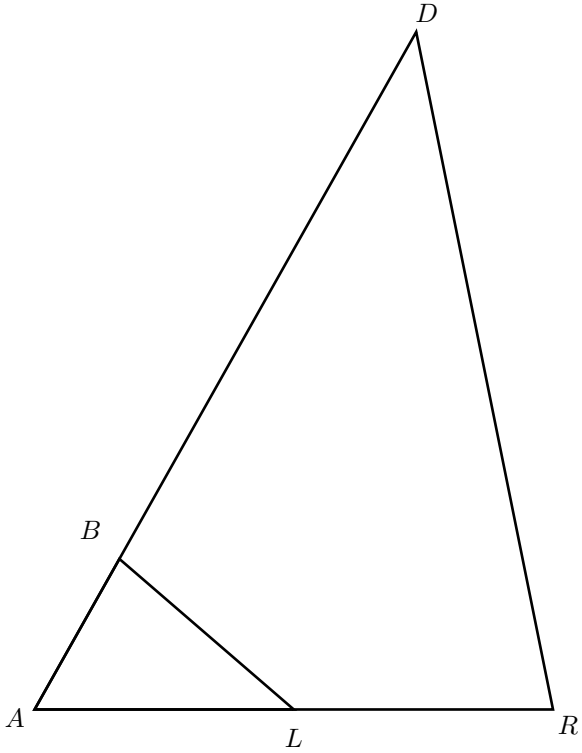6. Given that $\angle DIE \cong \angle F$, $DF = 18$, $DE = 5$, and $DI = 9$, what is the length of IS?

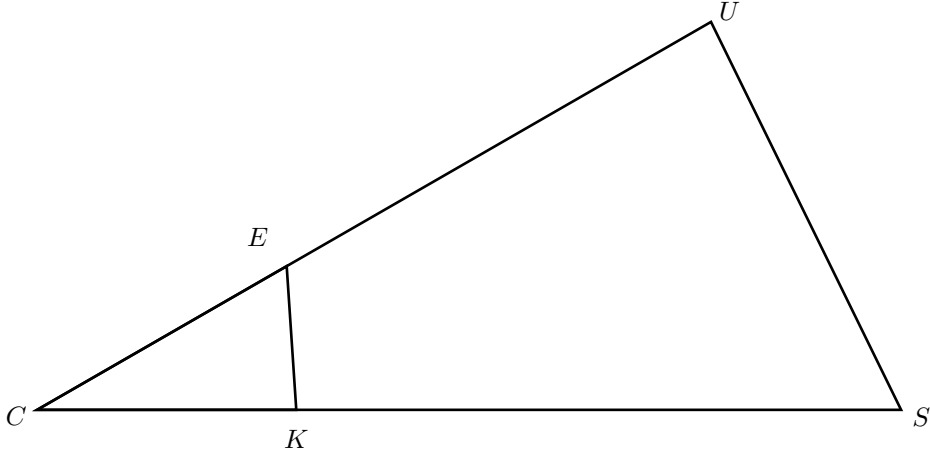7. Given that $\angle XFU \cong \angle C$, $UC = 2$, $XU = 8$, and $XL = 16$, what is the length of XF?

C

U

X

F

L

8. Given that $\angle CIX \cong \angle G$, $XG = 13$, $CG = 21$, and $CD = 24$, what is the length of CI?

G

X

C

I

D

9. Given that $\angle ALB \cong \angle D$, $AB = 6$, $AD = 27$, and $LR = 9$, what is the length of AR?

10. Given that $\angle CKE \cong \angle U$, $CU = 27$, $EU = 17$, and $KS = 21$, what is the length of CS?

1. $BG = 14$
2. $EW = 18$
3. $HS = 16$
4. $IF = 24$
5. $OU = 22$
6. $IS = 1$
7. $XF = 5$
8. $CI = 7$
9. $AR = 18$
10. $CS = 30$