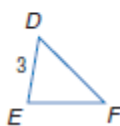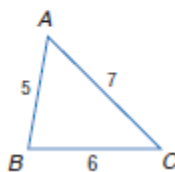# Acc Geo 7.5 Book Solutions
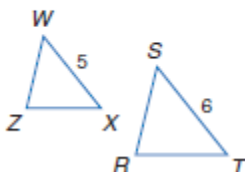
Pg. 419 #1,2, 8-10, 12, 13

1. $\triangle DEF$, if $\triangle ABC \sim \triangle DEF$, $AB = 5$, $BC = 6$, $AC = 7$, and $DE = 3$
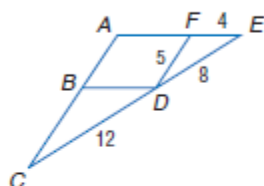

A 5 B 6 C 7, D 3 E F **10.8**

2. $\triangle WZX$, if $\triangle WZX \sim \triangle SRT$, $ST = 6$, $WX = 5$, and the perimeter of $\triangle SRT = 15$ **12.5**
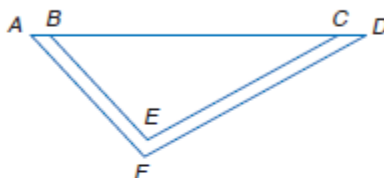

W 5, Z X, S R 6 T

Find the perimeter of the given triangle.

8. $\triangle BCD$, if $\triangle BCD \sim \triangle FDE$, $CD = 12$, $FD = 5$, $FE = 4$, and $DE = 8$ **25.5**
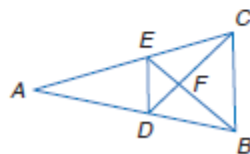

A F 4 E, B 5 8, D, 12, C

9. $\triangle ADF$, if $\triangle ADF \sim \triangle BCE$, $BC = 24$, $EB = 12$, $CE = 18$, and $DF = 21$ **63**
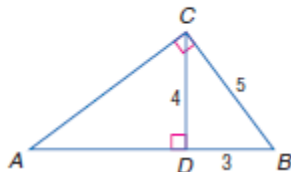

A B C D, E, F

10. $\triangle CBH$, if $\triangle CBH \sim \triangle FEH$, $ADEG$ is a parallelogram, $CH = 7$, $FH = 10$, $FE = 11$, and $EH = 6$ **18.9**

B A, C, H 10, 7 6, D F, 11, G, E
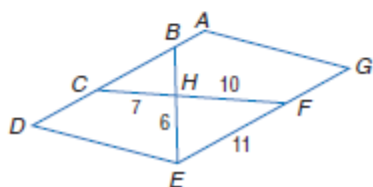
11. $\triangle DEF$, if $\triangle DEF \sim \triangle CBF$, perimeter of $\triangle CBF = 27$, $DF = 6$, $FC = 8$ **20.25**

C, E F, A, D B

12. $\triangle ABC$, if $\triangle ABC \sim \triangle CBD$, $CD = 4$, $DB = 3$, and $CB = 5$ **20**

C, 4 5, A D 3 B

13. $\triangle ABC$, if $\triangle ABC \sim \triangle CBD$, $AD = 5$, $CD = 12$, $BC = 31.2$ **78**

A 5 D B, 12, 31.2, C