Name_____

Assignment

Date_____ Period_____

Find the length of the midsegment of each trapezoid.

1)

G   5   F
N   ?   M
H   16   E

2)

C   7   D
W   ?   X
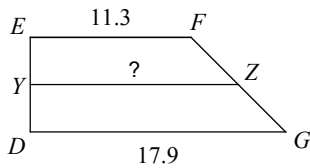B   20.8   E

3)

E   11.3   F
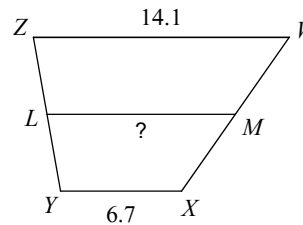Y   ?   Z
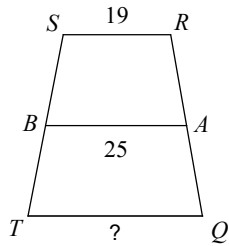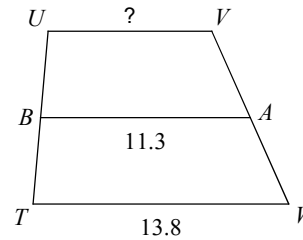D   17.9   G

4)

Z   14.1   W
L   ?   M
Y   6.7   X
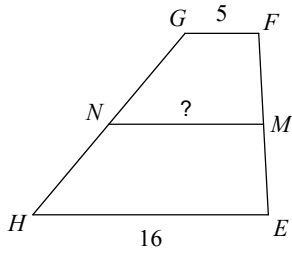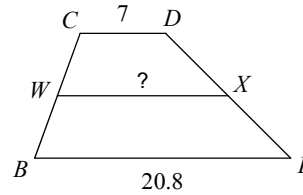
Given the shown midsegment and values, find the lengh of the base indicated for each trapezoid.

5)

S   19   R
B   25   A
T   ?   Q

6)

U   ?   V
B   11.3   A
T   13.8   W

7)

U   ?   X
H   17   G
V   8   W

8)

H   6.6   E
B   5.7   C
G   ?   F

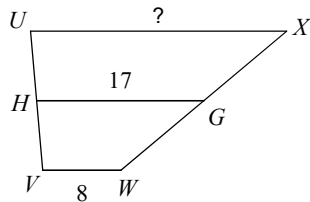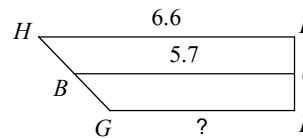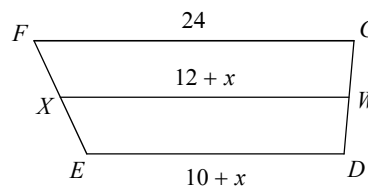**Find the length of the midsegment of the trapezoid.**

9)

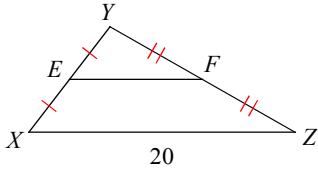X $2x - 10$ Y
M $3x - 12$ N
W   18   Z
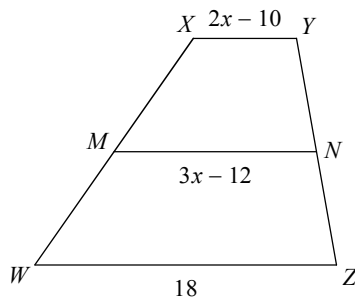
Find the length of the base indicated for the trapezoid with the given midsegment.

10) Find DE

F   24   C
X $12 + x$ W
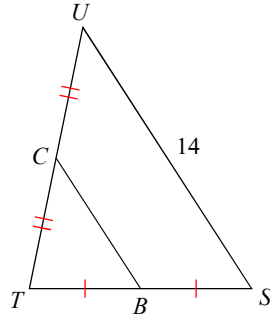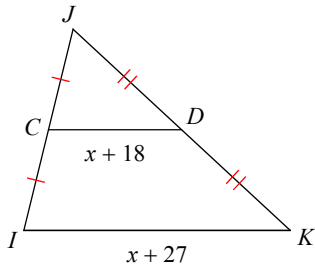E $10 + x$ D

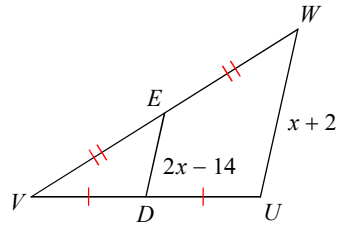**Find the missing length indicated for each triangle.**
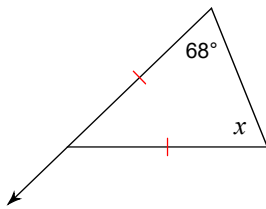
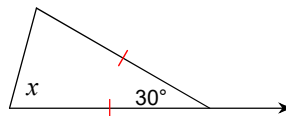11) Find *EF*

12) Find *BC*

13) Find *IK*

14) Find *UW*

REVIEW: For each figure, find the measure of angle *x*.

15)

16)

17)

18)

19)

20)