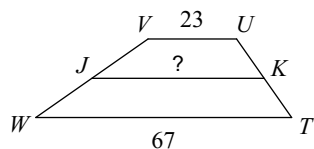


Apply Properties of Trapezoids

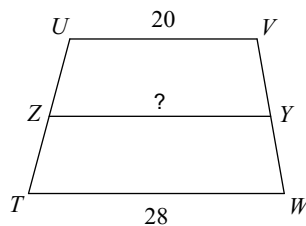
Date _____ Period _____

Find the length of the median of each trapezoid.

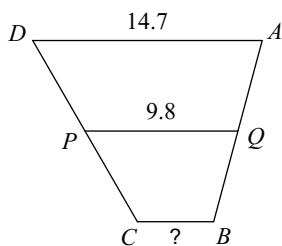
1)



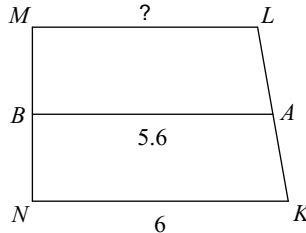
2)

**Find the length of the base indicated for each trapezoid.**

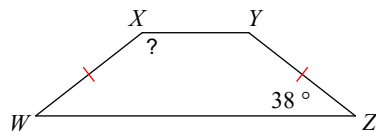
3)



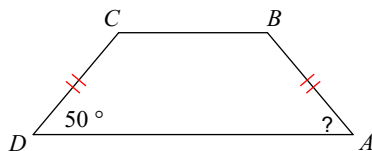
4)

**Find the measurement of the angle indicated for each trapezoid.**

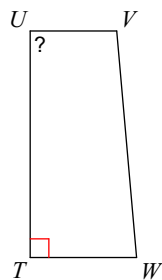
5)



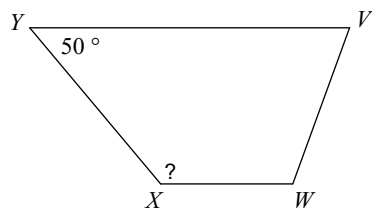
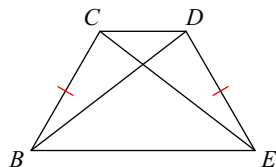
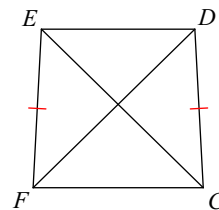
6)



7)

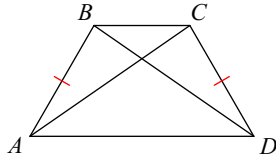


8)

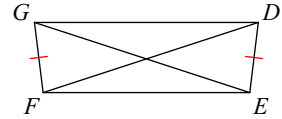
**Find the length of the diagonal indicated for each trapezoid.**9) $BD = 9.7$
Find CE 10) $EC = 10$
Find FD 

Solve for x . Each figure is a trapezoid.

11) $AC = 17$
 $BD = -13 + 5x$

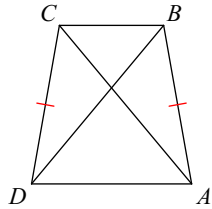


12) $EG = 7$
 $DF = 3x - 14$

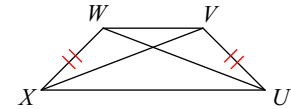


Find the length of the diagonal indicated for each trapezoid.

13) $CA = x + 3$
 $DB = 4x - 30$
 Find CA

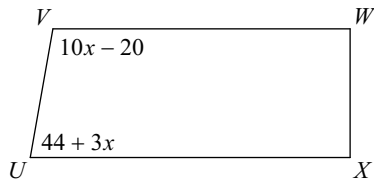


14) $WU = 4x + 16$
 $XV = x + 16$
 Find WU

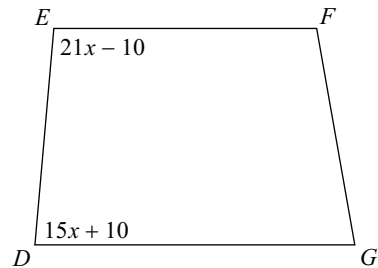


Find the measurement of the angle indicated for each trapezoid.

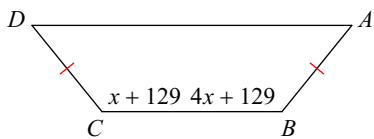
15) Find $m\angle U$



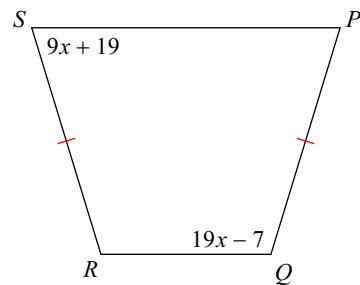
16) Find $m\angle D$



17) Find $m\angle D$



18) Find $m\angle P$

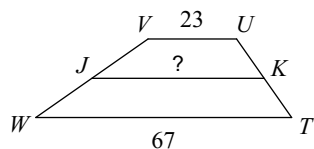


Apply Properties of Trapezoids

Date _____ Period _____

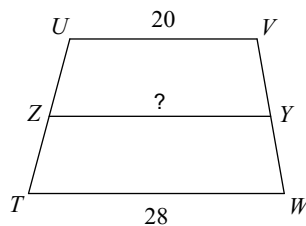
Find the length of the median of each trapezoid.

1)



45

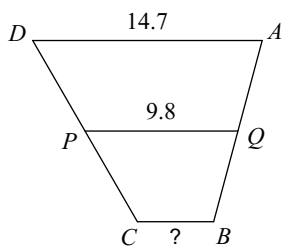
2)



24

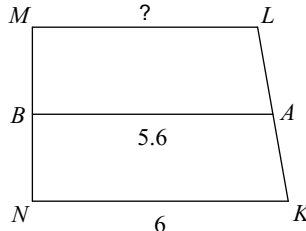
Find the length of the base indicated for each trapezoid.

3)



4.9

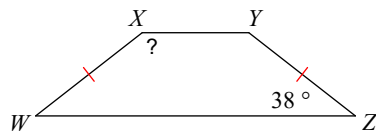
4)



5.2

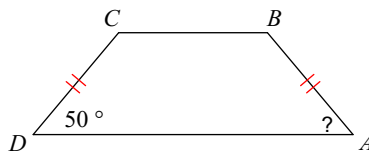
Find the measurement of the angle indicated for each trapezoid.

5)



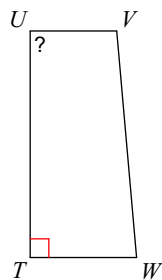
142°

6)



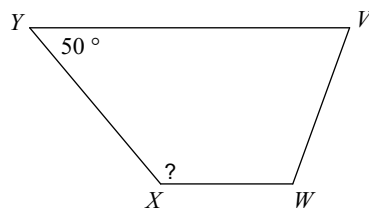
50°

7)



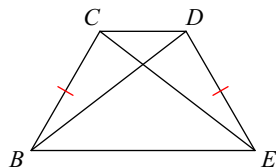
90°

8)

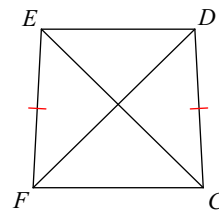


130°

Find the length of the diagonal indicated for each trapezoid.

9) $BD = 9.7$
Find CE 

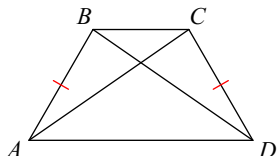
9.7

10) $EC = 10$
Find FD 

10

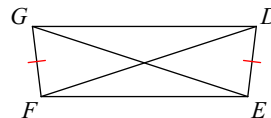
Solve for x . Each figure is a trapezoid.

11) $AC = 17$
 $BD = -13 + 5x$



6

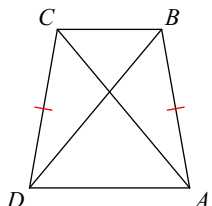
12) $EG = 7$
 $DF = 3x - 14$



7

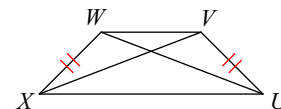
Find the length of the diagonal indicated for each trapezoid.

13) $CA = x + 3$
 $DB = 4x - 30$
 Find CA



14

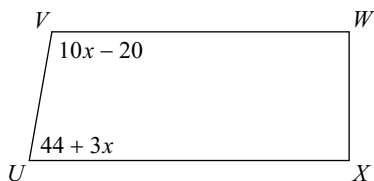
14) $WU = 4x + 16$
 $XV = x + 16$
 Find WU



16

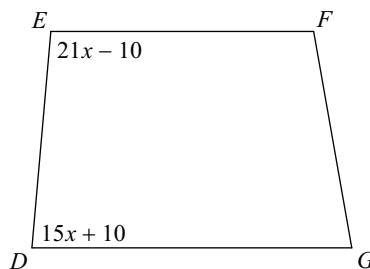
Find the measurement of the angle indicated for each trapezoid.

15) Find $m\angle U$



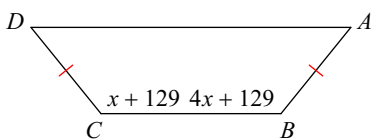
80°

16) Find $m\angle D$



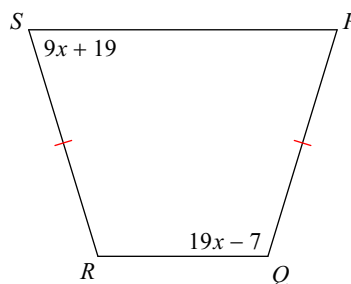
85°

17) Find $m\angle D$



51°

18) Find $m\angle P$



73°