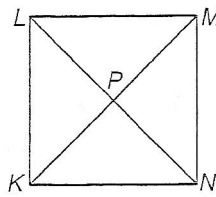


For Questions 17–18, refer to the figure at the right. Quadrilateral $KLMN$ is a square.



17. If $LN = 32$, find PN .

17. _____

18. Find $m\angle LPM$.

18. _____

19. When the diagonals of quadrilateral $RSTU$ are drawn, they are the perpendicular bisectors of each other. What type of quadrilateral is $RSTU$?

19. _____

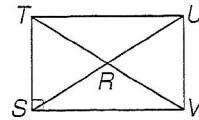
20. In rhombus $ABCD$, the measure of \overline{AB} is 26 meters, and the measure of $\angle A$ is 66. Determine the measures of the other three sides and the other three angles of the rhombus.

20. _____

21. In rhombus $EFGH$, diagonal EG is drawn. If $m\angle GEH = 53$, find $m\angle HEF$.

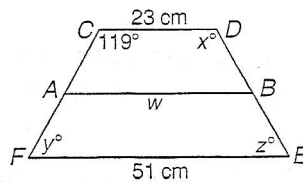
21. _____

22. Refer to rectangle $STUV$ shown at the right. Find the value of x if $RU = 13$ and $TV = 3x + 2$.



22. _____

23. In the figure at the right, \overline{AB} is the median of isosceles trapezoid $CDEF$. Find the values of w , x , y , and z .



23. _____

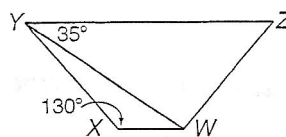
24. The length of the longer base of a trapezoid is 22 yards, and the length of the median is 18 yards. Find the length of the shorter base of the trapezoid.

24. _____

25. Is it possible for the bases of a trapezoid to both be shorter than its legs? Write *yes* or *no*. If *yes*, draw the trapezoid.

25. _____

Bonus In the figure at the right, quadrilateral $WXYZ$ is an isosceles trapezoid with $\overline{XY} \cong \overline{WZ}$. Find $m\angle YWZ$.



Bonus _____