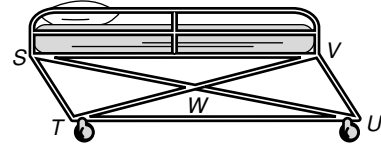


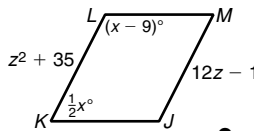
LESSON **Practice B**
6-2 Properties of Parallelograms

A gurney is a wheeled cot or stretcher used in hospitals. Many gurneys are made so that the base will fold up for easy storage in an ambulance. When partially folded, the base forms a parallelogram. In $\square STUV$, $VU = 91$ centimeters, $UW = 108.8$ centimeters, and $m\angle TSV = 57^\circ$. Find each measure.



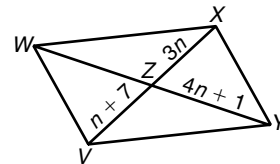
- | | | |
|------------------|------------------|------------------|
| 1. SW | 2. TS | 3. US |
| _____ | _____ | _____ |
| 4. $m\angle SVU$ | 5. $m\angle STU$ | 6. $m\angle TUV$ |
| _____ | _____ | _____ |

$JKLM$ is a parallelogram. Find each measure.



- | | | |
|----------------|----------------|---------|
| 7. $m\angle L$ | 8. $m\angle K$ | 9. MJ |
| _____ | _____ | _____ |

$VWXY$ is a parallelogram. Find each measure.



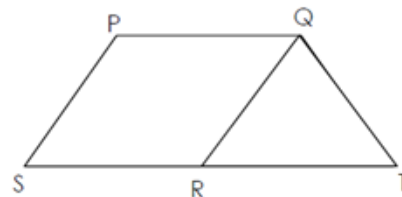
- | | |
|----------|----------|
| 10. VX | 11. XZ |
| _____ | _____ |
| 12. ZW | 13. WY |
| _____ | _____ |

14. Three vertices of $\square ABCD$ are $B(-3, 3)$, $C(2, 7)$, and $D(5, 1)$. Find the coordinates of vertex A . _____

Write a two-column proof.

15.

For proofs 1 and 2, use the picture to the right.



1. **Given:** $PQRS$ is a parallelogram, $\overline{PS} \cong \overline{QT}$

Prove: $\triangle QRT$ is isosceles

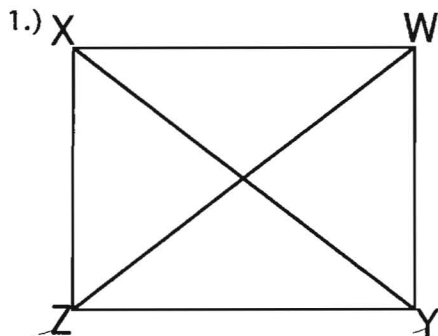
Statements	Reasons
1.	1.
2.	2. Parallelogram \rightarrow opposite sides \cong
3. $\overline{QR} \cong \overline{QT}$	3.
4.	4. Definition of an Isosceles Triangle

Parallelogram Conjecture Practice

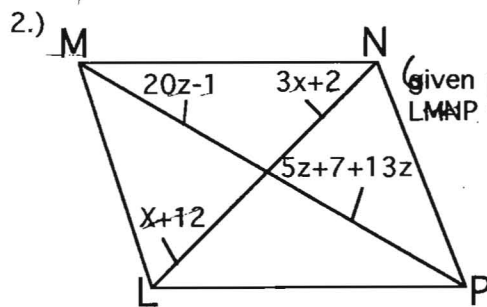
Name: _____

Chap: Quads

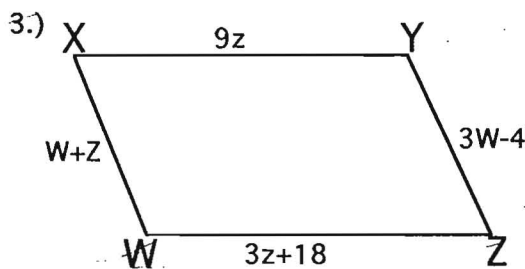
Assign: 610



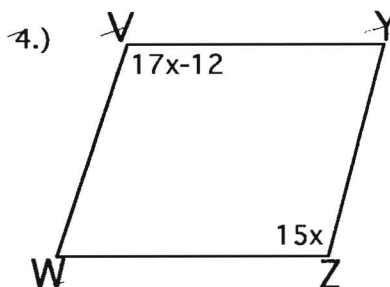
Find b if $ZW=18$,
 $XY=38-4b$ and
 $XY=WZ$



(given parallelogram LMNP find MP and NL)

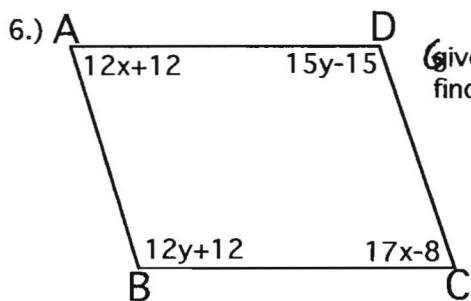


Find XW and WZ

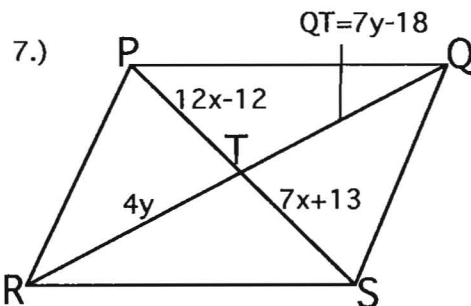


Find $m\angle V$, $m\angle W$
given parallelogram WVYZ

5.) What's true about WVYZ?

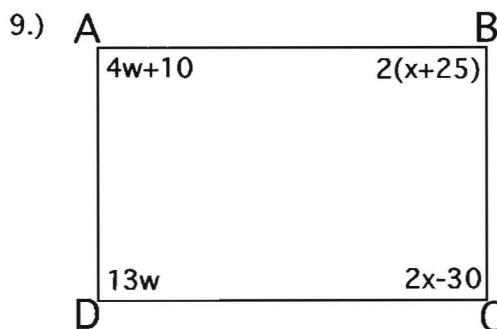
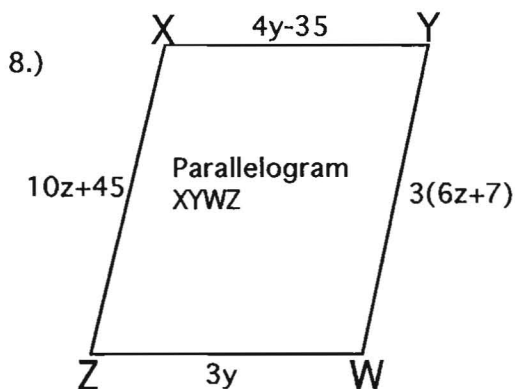


(given parallelogram BADC find $x, y, m\angle B$)



PS=? QR=?

in Parallelogram PQSR



Is Parallelogram ABCD a rectangle?

Why or why Not?