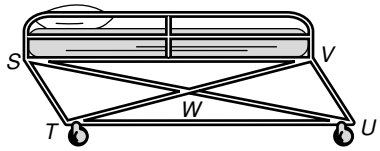
Name _____ Date _____ Class _____

LESSON 6-2

Practice B

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 $m\angle TSV = 57°$. Find each measure.



1. SW _____

2. TS _____

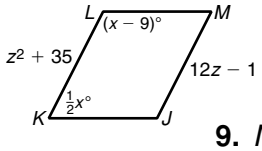
3. US _____

4. $m\angle SVU$ _____

5. $m\angle STU$ _____

6. $m\angle TUV$ _____

***JKLM* is a parallelogram. Find each measure.**

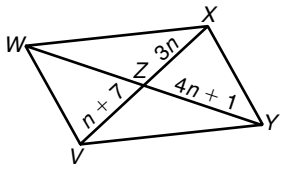


7. $m\angle L$ _____

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. Given: $DEFG$ is a parallelogram.
Prove: $m\angle DHG = m\angle EDH + m\angle FGH$