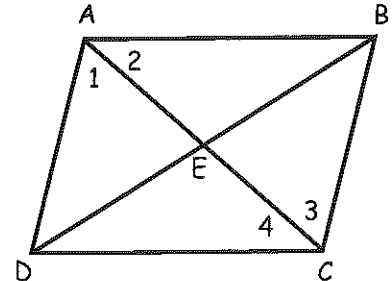


Parallelograms

Worksheet

Name _____

For #1-7, refer to the diagram at the right. ABCD is a parallelogram. Find the indicated lengths, angle measures, or value of x.



1. If $m\angle ADC = 83^\circ$, then $m\angle DAB =$ _____
2. If $AD = 23$, then $CB =$ _____
3. If $m\angle 3 = 65^\circ$ and $m\angle 4 = 48^\circ$, then $m\angle 2 =$ _____
4. If $AE = 8x + 7$ and $CE = 11x - 8$, then $x =$ _____
5. If $DC = 17 - 4x$ and $AB = 3x - 11$, then $x =$ _____
6. If $ED = 3x + 6$ and $DB = 48$, then $x =$ _____
7. If $m\angle DAB + m\angle BCD = 214^\circ$ and $m\angle ABC = x$, then $x =$ _____

For #8-13, quadrilateral RSTW is a parallelogram. Complete each statement.

8. $\overline{RW} \parallel$ _____

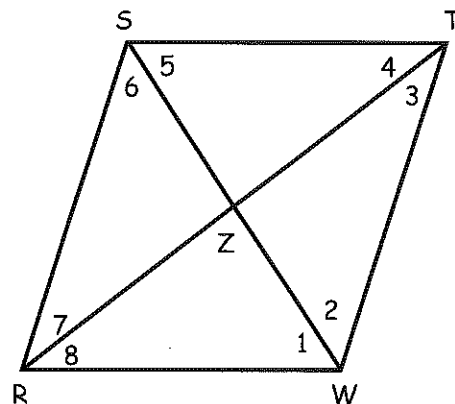
9. $\angle RST \cong \angle$ _____

10. $\overline{SZ} \cong$ _____

11. $\angle 6 \cong \angle$ _____

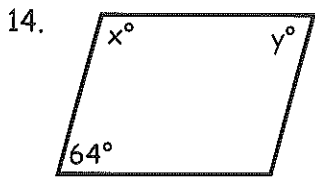
12. $\angle STW$ is supplementary to \angle _____

13. $\angle RWS \cong \angle$ _____



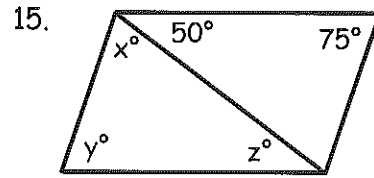
Chapter 6 Section 2 - Homework

For # 14-25, find values of the variables in each parallelogram. Show all work.



$x = \underline{\hspace{2cm}}$

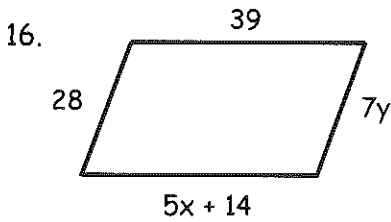
$y = \underline{\hspace{2cm}}$



$x = \underline{\hspace{2cm}}$

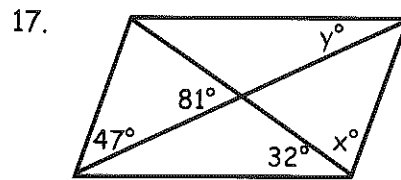
$y = \underline{\hspace{2cm}}$

$z = \underline{\hspace{2cm}}$



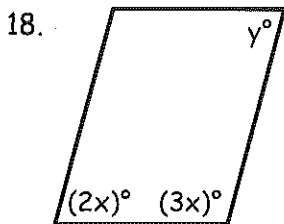
$x = \underline{\hspace{2cm}}$

$y = \underline{\hspace{2cm}}$



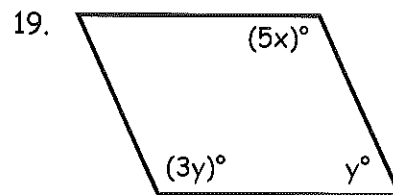
$x = \underline{\hspace{2cm}}$

$y = \underline{\hspace{2cm}}$



$x = \underline{\hspace{2cm}}$

$y = \underline{\hspace{2cm}}$



$x = \underline{\hspace{2cm}}$

$y = \underline{\hspace{2cm}}$