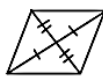
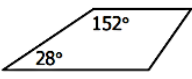
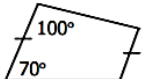
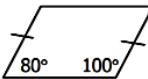
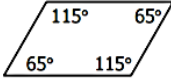

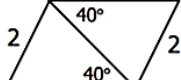



Math 3
Unit 6 Day 4 HW

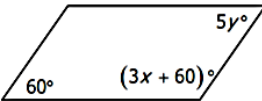
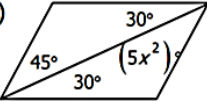
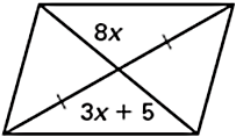
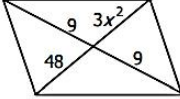
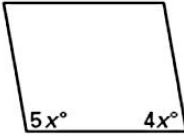
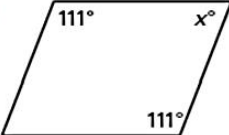
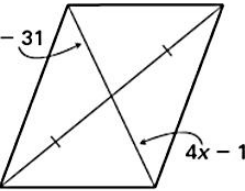
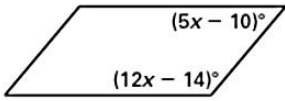
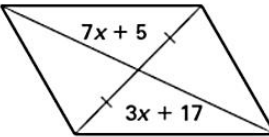
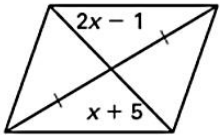
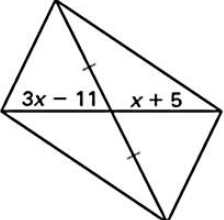
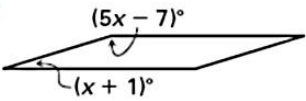
Name: _____

Date: _____

Determine if each quadrilateral is a parallelogram. Explain why or why it does not work.

- 1)  2)  3)  4) 
- 5)  6)  7)  8) 

Find the value of x and y that ensure each quadrilateral is a parallelogram.

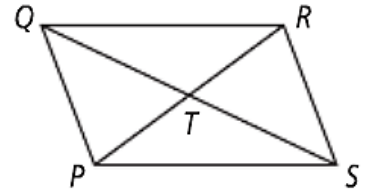
- 9)  10)  11) 
- 12)  13)  14) 
- 15)  16)  17) 
- 18)  19)  20) 

21. Use the diagram below to solve for x and y if the figure is a parallelogram.

a) $PT = 2x$, $QT = y + 12$,

$TR = x + 2$, $TS = 7y$

b) $PT = y$, $TR = 4y - 15$,



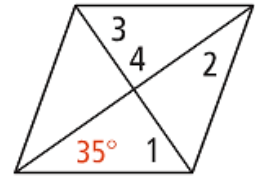
22. Find the measure of each angle if the figure is a rhombus.

a) Find the $m\angle 1$.

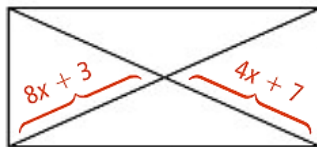
b) Find the $m\angle 2$.

c) Find the $m\angle 3$.

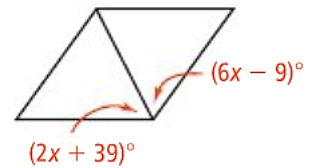
d) Find the $m\angle 4$.



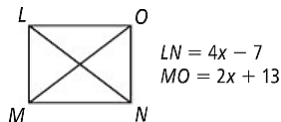
23. Solve for x if the figure is a rhombus.
rectangle.



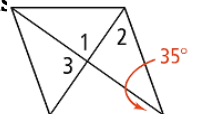
24. Solve for x if the figure is a



25. What is the length of LN if the figure is a rectangle?



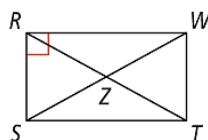
26. Solve for the missing angle measures if the figure is a rhombus



27. What is the length of SW ?

$RZ = 2x + 5$,

$SW = 5x - 20$



28. Solve for x if the figure is a rhombus.

