Homework 6.5: Parallelograms & Quadrilaterals Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Math 3

1. Use the diagram below to solve for x and y if the figure is a parallelogram.
2. PT = 2x, QT = y + 12,

TR = x + 2, TS = 7y

1. PT = y, TR = 4y -15,

QT = x + 6, TS = 4x - 6

1. **** Find the measure of each angle if the figure is a rhombus.
2. Find the m∠1.
3. Find the m∠2.
4. Find the m∠3.
5. Find the m∠4.
6. Solve for x if the figure is a rhombus.
7. Solve for x if the figure is a rectangle.
8. What is the length of LN if the figure is a rectangle?
9. Solve for the missing angle measures if the figure is a rhombus.



1. ****What is the length of SW?
2. Solve for x if the figure is a rhombus.

**Directions:** For questions #9-10, find x and the length of EF.

1. 
2. 

**Proof #1:**



**Proof #2:**



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