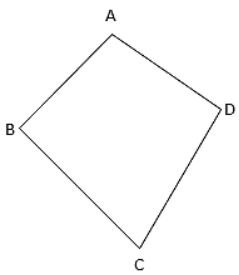
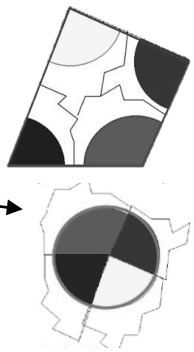
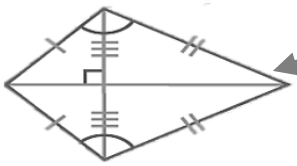
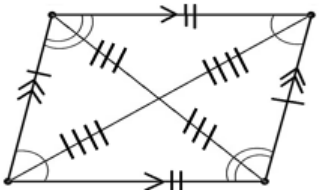
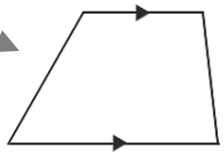
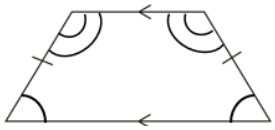
Topic: Types and Properties of Quadrilaterals **Date**: _____

Learning Objective(s):

_____

_____

Main Ideas/ Questions	**Notes**
Quadrilateral Vocabulary	**Quadrilateral** – A _____-sided polygon **Vertex (Vertices)** – The point that connects _____ sides **Adjacent side** – Two sides that share a common _____ **Opposite side** – The side opposite a specified _____ **Opposite angle** – The angle opposite a specified _____
Quadrilateral Angle Characteristics	******Name** a quadrilateral by using a quadrilateral symbol (□) and each vertex's letter AROUND the quadrilateral.***  **Quadrilateral Sum Theorem** 4 Interior Angles = _____  **Potential Names**:
Main Types of Quadrilaterals	 **Quadrilateral** Characteristics: • ___ sides • Angles add to ____  **Kite**  **Parallelogram** Characteristics: • Opposite sides are _____ AND _____ • Opposite angles are _____ • Consecutive angles are _____ • Diagonals _____ each other  **Trapezoid**  **Isosceles Trapezoid**

Topic: Quadrilaterals and Parallelograms **Date**: _____

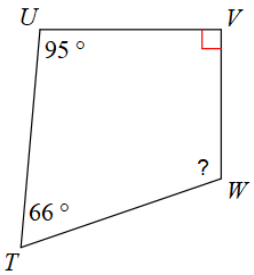
Main Ideas/ Questions

Examples

Notes

Solve for the indicated angle or variable.

1)



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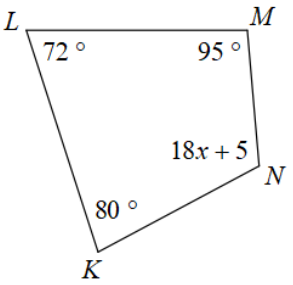
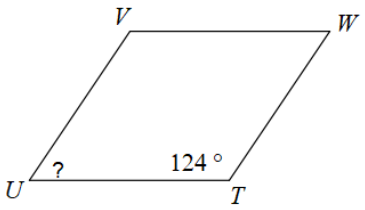


Solve for the indicated angle or variable in each parallelogram

3)



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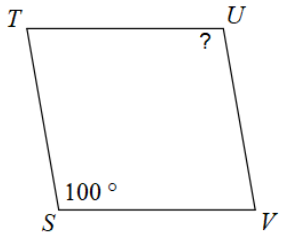

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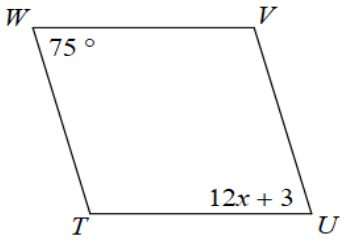

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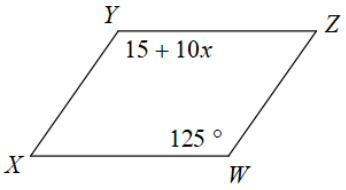

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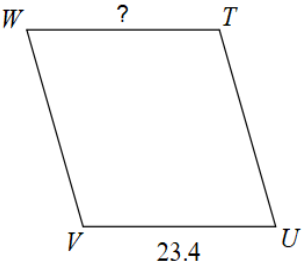

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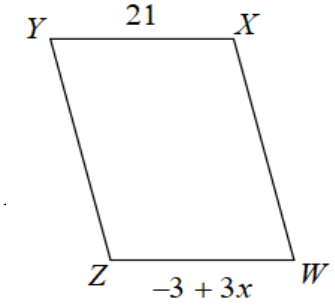
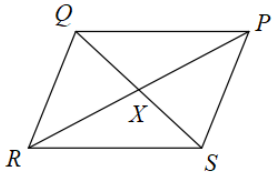
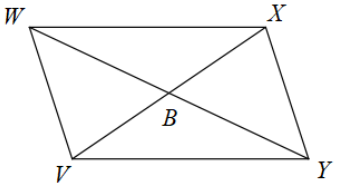


9) $RX = 14$

$XP = x + 14$



10) $BY = 17$

$WY = 4x - 10$