$\qquad$ Learning Objective(s)
$\frac{\text { Main Ideas/ }}{\text { Questions }}$

Quadrilateral Vocabulary

## Notes

Quadrilateral - A $\qquad$ -sided polygon

Vertex (Vertices) - The point that connects $\qquad$ sides

Adjacent side - Two sides that share a common $\qquad$
Opposite side - The side opposite a specified $\qquad$
Opposite angle - The angle opposite a specified
Quadrilateral Angle Characteristics


Potential Names:
**Name a quadrilateral by using a quadrilateral symbol ( $\square$ ) and each vertex's letter AROUND the quadrilateral. **


Main Types of Quadrilaterals

Characteristics:

- Adjacent sides are
- 1 pair of opposite angles are
- Diagonals are


Parallelogram

Topic: Types and Properties of Quadrilaterals

## Main Ideas/ Questions Types of Parallelograms

## Notes



Characteristics:

- Opposite sides are $\qquad$ AND
- Opposite angles are $\qquad$
- Consecutive angles are $\qquad$
- Diagonals $\qquad$ each other


## Parallelogram



Rhombus
Additional Characteristics:

- ALL sides are $\qquad$
- Diagonals
$\checkmark$ Are
$\checkmark$ BISECT


Square

## Label each statement as ALWAYS, SOMETIMES, or NEVER true.

1. A square is a rectangle.
2. A rectangle is a square.
3. A parallelogram have opposite sides that are not congruent.
4. A trapezoid has opposite sides are parallel.
$\qquad$

## Main Ideas/ Notes

Questions Examples

## Summary

Summarize the lesson in your own words with the help of the guided questions.

What are the main characteristics about quadrilaterals? What are the three main branches of quadrilaterals? What are the unique characteristics about each type of parallelogram? How can you use the characteristics of quadrilaterals to solve algebraic problems?

