**Study Outline: 05 Quadrilaterals**

I. Classification & Properties

A. Quadrilateral:

1. Definition:

2. Sides:

3. Angles:

4. Diagonals:

B. Parallelogram:

1. Definition:

2. Sides:

3. Angles:

4. Diagonals:

C. Rectangle:

1. Definition:

2. Sides:

3. Angles:

4. Diagonals:

D. Rhombus:

1. Definition:

2. Sides:

3. Angles:

4. Diagonals:

E. Square:

1. Definition:

2. Sides:

3. Angles:

4. Diagonals:

F. Kite:

1. Definition:

2. Sides:

3. Angles:

4. Diagonals:

G. Trapezoid:

1. Definition:

2. Sides:

3. Angles:

4. Diagonals:

H. Isosceles trapezoid:

1. Definition:

2. Sides:

3. Angles:

4. Diagonals:

II. Angle Sum Theorem:

A. Interior angles:

B. Exterior angles:

III. Proofs