**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