Student Name: _____	**Class:** _____
Student ID: _____	**Date:** {{DATE}}

Assessment Details

Duration: 45 minutes	**Total Marks:** 100
Topics Covered:	• Quadrilaterals • Polygons • Properties of Quadrilaterals • Classification of Quadrilaterals

Instructions to Students:

1. Read all questions carefully before attempting.
2. Show all working out - marks are awarded for method.
3. Calculator use is permitted except where stated otherwise.
4. Write your answers in the spaces provided.
5. If you need more space, use the additional pages at the end.
6. Time management is crucial - allocate approximately 1 minute per mark.

Section A: Multiple Choice [20 marks]

Question 1 **[2 marks]**

What is the defining property of a parallelogram?

A) All sides are equal

B) All angles are equal

C) Opposite sides are parallel

D) Opposite angles are equal

Question 2 **[2 marks]**

Which type of quadrilateral has all sides of equal length and all internal angles of 90 degrees?

A) Rectangle

B) Square

C) Rhombus

D) Trapezoid

Question 3 **[2 marks]**

What is the name of a quadrilateral with two pairs of opposite sides of equal length?

A) Parallelogram

B) Rectangle

C) Rhombus

D) Trapezoid

Question 4 **[2 marks]**

Which type of quadrilateral has all internal angles equal to 90 degrees and all sides of equal length?

A) Square

B) Rectangle

C) Rhombus

D) Trapezoid

Question 5 **[2 marks]**

What is the name of a quadrilateral with one pair of opposite sides of equal length and the other pair of opposite sides of unequal length?

A) Trapezoid

B) Parallelogram

C) Rectangle

D) Rhombus

Section B: Short Answer Questions [40 marks]

Question 6 **[8 marks]**

What is the difference between a rectangle and a square? Provide an example of each.

Question 7 **[8 marks]**

Describe the properties of a rhombus and provide a real-world example of its application.

Question 8 **[8 marks]**

What is the name of a quadrilateral with two pairs of opposite sides of equal length and all internal angles equal to 90 degrees?

Question 9 **[8 marks]**

Describe the properties of a trapezoid and provide a real-world example of its application.

Question 10 **[8 marks]**

What is the name of a quadrilateral with all sides of equal length and all internal angles equal to 90 degrees?

Section C: Diagram Identification [20 marks]

Question 11 [4 marks]

Identify the type of quadrilateral and describe its properties.

Question 12 [4 marks]

Identify the type of quadrilateral and describe its properties.

Question 13 [4 marks]

Identify the type of quadrilateral and describe its properties.

```
|/_______
C ---- D
```

Question 14 [4 marks]

Identify the type of quadrilateral and describe its properties.

```
A ---- B
|     /
|    /
|   /
|  /
| /
|/_______
C ---- D
```

Question 15 [4 marks]

Identify the type of quadrilateral and describe its properties.

```
A ---- B
|      |
|      |
|      |
|      |
|/_______
C ---- D
```

Section D: Problem-Solving [20 marks]

Question 16 **[10 marks]**

A rectangular garden measures 10 meters by 5 meters. If a path of 1 meter wide is built around the garden, what is the area of the path?

Question 17 **[10 marks]**

A quadrilateral has two pairs of opposite sides of equal length. If one pair of opposite sides is 6 cm long, and the other pair is 8 cm long, what is the perimeter of the quadrilateral?

Marking Guide

The marking guide will include clear rubrics and answer keys for each section.

Section A: Multiple Choice Questions

* 1 mark for each correct answer

* 0 marks for each incorrect answer

Section B: Short Answer Questions

* 2-3 marks for each question, depending on the quality of the answer

* Marks will be awarded for clarity, accuracy, and completeness of the answer

Section C: Diagram Identification

* 2 marks for each correct identification

* 1 mark for each correct description of properties

* 0 marks for each incorrect identification or description

Section D: Problem-Solving

* 4-5 marks for each question, depending on the accuracy and completeness of the solution

* Marks will be awarded for correct calculations, formulas, and problem-solving strategies

Conclusion

This assessment is designed to evaluate students' understanding of quadrilaterals and polygons. The assessment includes a variety of question types and is designed to be completed within 45 minutes. The marking guide provides clear rubrics and answer keys for each section.