

## Worksheet: Quadrilaterals

West Bengal State Board · Class 8 · Mathematics · 5 questions · 13 marks

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_ / 13

**Q1.** A quadrilateral has three angles of  $80^\circ$ ,  $95^\circ$ , and  $110^\circ$ . Find the fourth angle. *[1 mark]*

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**Q2.** What is the relationship between adjacent angles of a parallelogram? *[1 mark]*

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**Q3.** Find the diagonal of a rectangle with length 12 cm and breadth 5 cm. *[3 marks]*

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**Q4.** A rhombus has diagonals 24 cm and 10 cm. Find: (a) its side length, (b) its area. *[3 marks]*

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**Q5.** In parallelogram ABCD,  $A = (2x + 25)^\circ$  and  $B = (3x - 5)^\circ$ . Find  $x$  and all four angles. *[5 marks]*

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