### Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Quadrilaterals – Rhombuses, Squares, Trapezoids & Kites**

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| **Definition: A rhombus is a parallelogram with four congruent sides.**  **A**  **B**  **C**  **D** | | | | | | |
| If a parallelogram is a rhombus,  then it has **4 congruent sides.** | | |  | |  | |
| If a parallelogram is a rhombus,  then its **diagonals are perpendicular**. | | | **A**  **B**  **C**  **D** | |  | |
| If a parallelogram is a rhombus,  then its **diagonals bisect opposite angles**. | | | **A**  **B**  **C**  **D** | |  | |
| **opposite sides are parallel** | **opposite sides are congruent** | **opposite angles are congruent** | | **consecutive angles are supplementary** | | **diagonals bisect each other** |

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| **Definition: A square is a parallelogram with 4 sides & 4 right angles.** | | | | | | | | |
| opposite sides are parallel | opposite sides are congruent | | opposite angles are congruent | | | consecutive angles are supplementary | | diagonals bisect each other |
| 4 right angles | | | | diagonals are congruent | | | | |
| 4 congruent sides | | diagonals are perpendicular | | | | | diagonals bisect  opposite angles | |
| **B**  **A**  **D**  **C** | | | | |  | | | |

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| **Definition: A trapezoid is a quadrilateral**  **with 1 pair of opposite sides parallel.** | | |
| If a quadrilateral is a trapezoid, then it has **one pair of opposite sides parallel.** | **A**  **B**  **C**  **D** |  |
| If a trapezoid is isosceles, then its **diagonals are congruent**. | **A**  **B**  **C**  **D** |  |
| If a trapezoid is isosceles, then its **base angles are congruent**. | **A**  **B**  **C**  **D** |  |
| If a trapezoid is isosceles, then its **non-base angles are supplementary**. | **A**  **B**  **C**  **D** |  |

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| **Definition: A kite is a quadrilateral with**  **2 pairs of consecutive sides congruent.**  **A**  **B**  **C**  **D** | | |
| If a quadrilateral is a kite, then it has **2 pairs of consecutive sides congruent.**  **A**  **B**  **C**  **D** |  |  |
| If a quadrilateral is a kite, then it has **1 pair of opposite angles congruent.**  **A**  **B**  **C**  **D** |  |  |
| If a quadrilateral is a kite, then it its **diagonals are perpendicular.** |  |  |
| If a quadrilateral is a kite, then it **one diagonal is bisected by the other.** | **A**  **B**  **C**  **D** |  |