

MHS Diff Geometry  
 Dr. Hartman  
 Quadrilateral Properties Summary Chart

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

Period \_\_\_\_\_ Date \_\_\_\_\_

|    |  | Square        | Rhombus        | Parallelogram        | Rectangle        | Kite        | Trapezoid        |
|----|--|---------------|----------------|----------------------|------------------|-------------|------------------|
|    | <b>Sketch</b>                                  |               |                |                      |                  |             |                  |
|    | <b>Properties</b>                              | <b>Square</b> | <b>Rhombus</b> | <b>Parallelogram</b> | <b>Rectangle</b> | <b>Kite</b> | <b>Trapezoid</b> |
| 1  | Diagonals bisect each other                    |               |                |                      |                  |             |                  |
| 2  | Diagonals are $\cong$                          |               |                |                      |                  |             |                  |
| 3  | Diagonals are $\perp$                          |               |                |                      |                  |             |                  |
| 4  | Both diagonals are angle bisectors             |               |                |                      |                  |             |                  |
| 5  | Exactly one diagonal is angle bisector         |               |                |                      |                  |             |                  |
| 6  | Both pairs of opposite sides $\cong$           |               |                |                      |                  |             |                  |
| 7  | At least one pair consecutive sides $\cong$    |               |                |                      |                  |             |                  |
| 8  | All sides are $\cong$                          |               |                |                      |                  |             |                  |
| 9  | Both pairs of opposite sides $\parallel$       |               |                |                      |                  |             |                  |
| 10 | Exactly one pair of opposite sides $\parallel$ |               |                |                      |                  |             |                  |
| 11 | All angles are $\cong$                         |               |                |                      |                  |             |                  |
| 12 | Both pairs of opposite angles $\cong$          |               |                |                      |                  |             |                  |
| 13 | Exactly one pair of opposite angles $\cong$    |               |                |                      |                  |             |                  |
| 14 | Consecutive angles are supplementary           |               |                |                      |                  |             |                  |