Properties of a Quadrilateral

Place a check mark in each box that the property applies.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Property** | **Parallelgm** | **Rectangle** | **Kite** | **Rhombus** | **Square** | **Isosc. Trap.** |
| Opposite sides are || |  |  |  |  |  |  |
| All ∠s are right ∠s |  |  |  |  |  |  |
| All sides are ≅ |  |  |  |  |  |  |
| Lower base ∠s are ≅ |  |  |  |  |  |  |
| 1 diag. is the ⊥ bis. of the other |  |  |  |  |  |  |
| Opp. ∠s are ≅ |  |  |  |  |  |  |
| Upper base ∠s are ≅ |  |  |  |  |  |  |
| 1 pair of opp. ∠s are ≅ |  |  |  |  |  |  |
| Consecutive ∠s are supplementary |  |  |  |  |  |  |
| Diagonals form 4 ≅ right triangles |  |  |  |  |  |  |
| Legs are ≅ |  |  |  |  |  |  |
| 2 pairs of consecutive sides are ≅ |  |  |  |  |  |  |
| Diagonals are ⊥ bisectors |  |  |  |  |  |  |
| Diagonals are ≅ |  |  |  |  |  |  |
| Lower base ∠s supp. to upper base ∠s |  |  |  |  |  |  |
| Diagonals form 4 ≅ isos. right triangles |  |  |  |  |  |  |
| 1 diagonal bisects a pair of opp. ∠s |  |  |  |  |  |  |
| Opp. sides are ≅ |  |  |  |  |  |  |
| Bases are parallel |  |  |  |  |  |  |
| Diagonals are ⊥ |  |  |  |  |  |  |
| Diagonals bisect the ∠s |  |  |  |  |  |  |
| Diagonals bisect each other |  |  |  |  |  |  |