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

|  |
| --- |
| Use the following to review for you test. **Show your work on a separate sheet of paper if needed.** |
| **Things to Know** | **Things to Remember** | **Examples** |
| Properties of Parallelograms | * Opposites angles are congruent
* Consecutive angles are supplementary
* Opposite sides are equal
* Diagonals bisect each other
 | 1. Find x and y.

 | 1. ABCD is a parallelogram. Find x.
 |
| 1. Find x and y.

 | 1. Find x and y.

 |
| Special Parallelograms | * A rectangle is a parallelogram with 4 right angles,
* A rhombus is a parallelogram with 4 congruent sides.
* A square is a rectangle and rhombus
 | 1. Find x and y.

 | 1. NPQM is a rectange. Find x and angles 1 & 2.

Image result for solving for rectangles properties |



**Determine whether the statement is *always, sometimes*, or *never* true.**

1. A rectangle is a parallelogram.
2. A parallelogram is a rhombus.
3. A square is a rhombus.
4. A rhombus is a square.
5. A rhombus is a rectangle.
6. A rectangle is a square
7. A quadrilateral is a rhombus
8. A parallelogram is a quadrilateral
9. A trapezoid is a parallelogram
10. A kite is a quadrilateral

**State all possible names for each quadrilateral property. Choose from:**

|  |  |  |
| --- | --- | --- |
| **Quadrilateral** | **Parallelogram** | **Rectangle** |
| **Rhombus** | **Square** | **Trapezoid** |
| **Kite** | **Isosceles Trapezoid** |  |

1. Both pairs of opposite sides are parallel.
2. One pair of opposite sides are parallel.
3. Both pairs of opposite sides are congruent.
4. Diagonals are not congruent.
5. All angles are congruent.
6. All angles are right angles.
7. Diagonals are congruent.
8. Diagonals are not congruent.
9. All sides are congruent.
10. Congruent consecutive sides.