

## Chapter 6 Review

### parallelogram

2 pairs parallel sides  
2 pairs congruent sides  
diagonals bisect each other  
opposite angles congruent  
consecutive angles supplementary

### rectangle

2 pairs parallel sides  
2 pairs congruent sides  
diagonals bisect each other  
diagonals congruent  
4 right angles  
opposite angles congruent  
consecutive angles supplementary

### rhombus

2 pairs parallel sides  
4 congruent sides  
diagonals bisect each other  
diagonals perpendicular  
opposite angles congruent  
consecutive angles supplementary

### square

2 pairs parallel sides  
4 congruent sides  
diagonals congruent  
diagonals bisect each other  
4 right angles  
diagonals perpendicular  
opposite angles congruent  
consecutive angles supplementary

#### kite

2 pairs congruent consecutive sides  
1 diagonal is a perpendicular bisector of the other  
1 pair opposite congruent angles  
diagonals are **not** congruent

#### trapezoid

1 pair parallel sides  
2 pairs consecutive supplementary angles  
diagonals are **not** congruent

#### isosceles trapezoid

1 pair parallel sides  
2 pairs consecutive supplementary angles  
2 pairs congruent base angles  
1 pair base legs congruent  
diagonals are congruent

#### right angle trapezoid

1 pair parallel sides  
2 pairs consecutive supplementary angles  
only two consecutive right angles  
diagonals are **not** congruent

#### quadrilateral

**no** sides congruent (however, can have three congruent sides)  
**no** congruent diagonals  
**no** sides parallel  
can have two opposite right angles  
**no** congruent opposite angles  
**no** consecutive supplementary angles