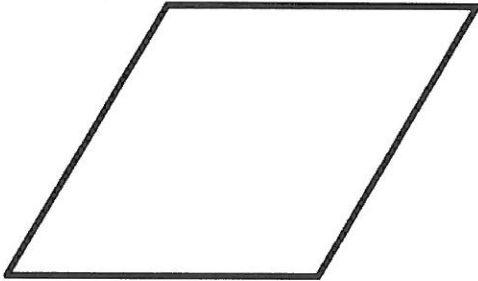


## 7.4 Special Parallelograms Diagonals Conjectures Notes

**Parallelogram Diagonals Conjecture** – The diagonals of a parallelogram \_\_\_\_\_

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### **Rhombus**



Draw both diagonals with a ruler on the rhombus on the left. Measure the angles formed by the diagonals when they intersect each other and the angles of the rhombus. Use what you notice to fill in the conjectures below.

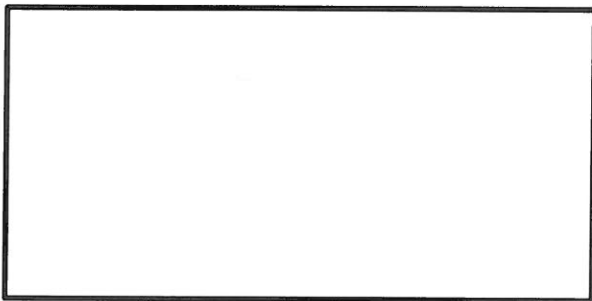
#### **Rhombus Diagonals Conjecture**

The diagonals of a rhombus are \_\_\_\_\_.

#### **Rhombus Angles Conjecture**

The diagonals of a rhombus \_\_\_\_\_ the angles of the rhombus.

### **Rectangle**

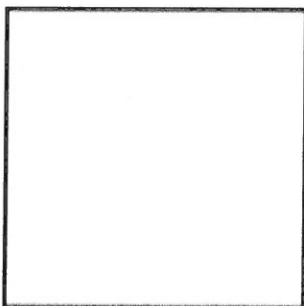


Draw both diagonals with a ruler on the rectangle on the left. Measure the lengths of the diagonals. Use what you notice to complete the conjecture below.

#### **Rectangle Diagonals Conjecture**

The diagonals of a rectangle are \_\_\_\_\_

### **Square**



Use what you have learned about parallelograms, squares and rectangles to complete the conjecture below.

#### **Square Diagonals Conjecture**

The diagonals of a square are 1) \_\_\_\_\_

2) \_\_\_\_\_

3) \_\_\_\_\_ and

4) \_\_\_\_\_

