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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_**Lesson 50** Geometry |

**Opening Exercise**

|  |  |
| --- | --- |
| When given a parallelogram… | How to prove a parallelogram… |
| 1. opposite sides are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. opposite sides are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. opposite angles are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. diagonals \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ each other
5. consecutive angles are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 | 1. show both pairs of opposite sides are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. show both pairs of opposite sides are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. show one pair of opposite sides are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ & \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. show both pairs of opposite angles are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. show the diagonals \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ each other
 |



Given: , diagonal 



Prove: 

**Practice Exercises**



Given: , ,



Prove: 