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

**Opening Exercise**

|  |  |
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| 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: 