1. What are the FIVE ways to prove that a quadrilateral is a parallelogram?
   1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Prove that if both pairs of opposite angles of a quadrilateral are congruent, then the quadrilateral is a parallelogram.

Given: 



Prove:  is a parallelogram

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| **Statements** | **Reasons** |
| 1. ; |  |
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|  |  |
| 1. ; |  |
| 1. is a parallelogram |  |

1. Given: Regular hexagon *JKLMNO*

Prove: *OKLN* is a parallelogram

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| **Statements** | **Reasons** |
|  | 1. Given |
|  |  |
|  | 1. SAS Postulate |
|  |  |
|  | 1. Definition of regular polygon |
| 1. *OKLN* is a parallelogram |  |

1. Given: ;



Prove: *MNYZ* is a parallelogram

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| **Statements** | **Reasons** |
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1. Given: 



Prove: *ABCD* is a parallelogram

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| **Statements** | **Reasons** |
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1. Given: ; W, *X, Y, Z* are midpoints of



Prove: *WXYZ* is a parallelogram

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| **Statements** | **Reasons** |
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1. Write a paragraph proof. (Hint: a short proof is possible if certain auxiliary segments are drawn.)

Given:;

Prove: *ACDF* is a parallelogram

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