Unit 2 Part 4 Review on Quads Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. The figure is a parallelogram. Solve for HN. 2. PQRS is a rectangle. Solve for x.



3. The figure is a parallelogram. Solve for the variables. 4. The figure is a parallelogram. Solve for the variables.



5. Solve for the variables. 6. The figure is a parallelogram.



7.





8.



9. WXYZ is a parallelogram. Solve for x. 10. RSTU is a parallelogram. Solve for TS.



11. UVWX is a parallelogram. Solve for <W. 12. STUV is a parallelogram. Solve for x.





13. Give the best name (parallelogram, rectangle, rhombus, or square) for the quadrilateral with the given information.





Spiraling

Standard: Triangle Congruence

I. State if the two triangles are congruent. If they are, state whether it is SSS, SAS, ASA, AAS, or HL.

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| 14.Related image |  15. 17.    |
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|  |
| 16.Image result for congruent triangle HL |

**18.**

 **9.** 

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| 19. **Given**: $∠A≅∠E$ and$ \overbar{AC}≅\overbar{EF}$ What OTHER piece of information is needed to show $∆ABC≅∆EDF$ by AAS? |
| 20. **Given**: Q is the midpoint of $\overbar{PS} $and$∠R≅∠T$. How could your prove $∆PQR≅∆SQT?$**21.** Given: $ \overbar{AB}≅\overbar{CD}$ and $\overbar{AD}≅\overbar{CB}$Prove: $∠D≅∠B$

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| **Statements** | **Reasons** |
|  | 1. Given
 |
| 1. $\overbar{AD}≅\overbar{CB}$
 |  |
| 1. $\overbar{AC}≅\overbar{AC}$
 |  |
|  | 1. SSS
 |
| 1. $∠D≅∠B$
 |  |

  **22**. Given: M is the midpoint of $\overbar{PN} $and <P $≅$ <NProve: $∆PMK≅∆NMQ$

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| **Statements** | **Reasons** |
| 1. M is the midpoint of $\overbar{PN}$
 |  |
|  | 1. Given
 |
| 1. $\overbar{PM}≅\overbar{NM}$
 |  |
|  | 1. Vertical Angles
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