CPCTC and Parallelogram Test Review

Given: GH ≅ J,∠GHJ≅∠IJH



Prove: GJ ≅ IH







It is recommended that you review all proofs for parallelograms and their converses. Given: PENS is a parallelogram

Name

Prove: PE= NS and EN=SP

Ν S Ρ F

Given: $\overline{ON} \cong \overline{ML}$ and $\overline{LO} \cong \overline{NM}$ Prove: LMNO is a parallelogram



GHIJ is a parallelogram. Find the value of each of the following variables.



c. $\angle GJI = (3w + 10)^o$ and $\angle IHG = (9w - 98)^o$ d. $\overline{GK} = 3z + 2$ and $\overline{GI} = z + 34$

9. Determine the value of each variable that would make the following a parallelogram. Explain which converse property would make it a parallelogram.



10. The following figure is a rectangle. Find the value of the given variable.

a. $\overline{XA} = 2x + 4$ and $\overline{WA} = 3x - 2$



b. $\overline{XZ} = 6x - 5$ and $\overline{YW} = 2x + 19$

c. $\overline{YA} = x + 3$ and $\overline{XZ} = 5x - 9$