



What would you conjecture is the relationship between two angles that are complements to the same angle?



Is this conjecture something we accept as true as a postulate?

Or can we prove it to be a theorem with previous knowledge?





If two angles are _____to the ____to the _____to the ____to the ____to the ____to the _____to the _____to the _____to the ____to the dettt

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Prove: $\angle 1 \cong \angle 3$



Statement	Reasons
1	
2.	
3	
4	·
5	



If two angles are ______ to the ______, then they are congruent.





If two angles form a linear pair, then they are supplementary

Vertical Angles

Two angles across from each other from the vertex, when two lines cross.



What would you conjecture is the relationship between vertical?

Leave as postulate? Prove as theorem?





Application:

If the measure of m $\angle 1$ is 5w+3 and m $\angle 3$ is 98°, find the measure of all the angles.

