

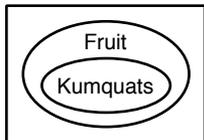
LESSON **Practice B**
2-2 **Conditional Statements**

Identify the hypothesis and conclusion of each conditional.

1. If you can see the stars, then it is night. 2. A pencil writes well if it is sharp.
 Hypothesis: _____ Hypothesis: _____
 Conclusion: _____ Conclusion: _____

Write a conditional statement from each of the following.

3. Three noncollinear points determine a plane.

4.  _____

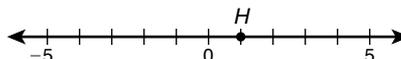
Determine if each conditional is true. If false, give a counterexample.

5. If two points are noncollinear, then a right triangle contains one obtuse angle.

6. If a liquid is water, then it is composed of hydrogen and oxygen.

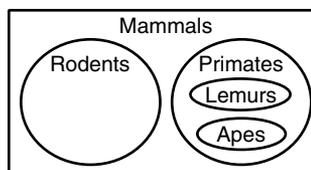
7. If a living thing is green, then it is a plant.

8. "If G is at 4, then GH is 3." Write the converse, inverse, and contrapositive of this statement. Find the truth value of each.



Converse: _____
 Inverse: _____
 Contrapositive: _____

This chart shows a small part of the *Mammalia* class of animals, the mammals. Write a conditional to describe the relationship between each given pair.



9. primates and mammals _____
 10. lemurs and rodents _____
 11. rodents and apes _____
 12. apes and mammals _____