

NAME _____ DATE _____ PER. _____

CONDITIONAL STATEMENTS**For each conditional statement below, state the hypothesis and the conclusion.**

<p>1. Hypothesis:</p> <p>Conclusion:</p>	<p>If a man is 7 feet tall, then he plays basketball.</p>
<p>2. Hypothesis:</p> <p>Conclusion:</p>	<p>If you are flying, then you are in a jet.</p>
<p>3. Hypothesis:</p> <p>Conclusion:</p>	<p>If you are in Alaska, then you are cold.</p>

For each conditional statement below, write its converse, determine whether it is true or false, and provide a counterexample if false.

<p>4. Converse:</p> <p>TRUE or FALSE?</p> <p>Counterexample:</p>	<p>If an object is a ring, then it is made of gold.</p>
<p>5. Converse:</p> <p>TRUE or FALSE?</p> <p>Counterexample:</p>	<p>If an animal is a bird, then it can fly.</p>
<p>6. Converse:</p> <p>TRUE or FALSE?</p> <p>Counterexample:</p>	<p>If your grade is a 96, then you are making an A.</p>
<p>7. Converse:</p> <p>TRUE or FALSE?</p> <p>Counterexample:</p>	<p>If you play football, then you wear a uniform.</p>

Write the inverse of each conditional statement below.

8. Inverse:	If an object is a battery, then it is rechargeable.
9. Inverse:	If an object is a computer, then it has a hard drive.
10. Inverse:	If an animal is black and white, then it is a penguin.

Write the contrapositive of each conditional statement below.

11. Contrapositive:	If a species walks on two feet, then it is human.
12. Contrapositive:	If a gem is a ruby, then it is red.
13. Contrapositive:	If segments are congruent, then they have equal measures.

Write a conditional statement for the situation described, then write its converse, inverse, and contrapositive.

After 3 strikes, the batter is out.

14. Conditional:
15. Converse:
16. Inverse:
17. Contrapositive: