

Notes

<p>Negation: Negation is using NOT before a statement.</p> <p>If the statement “X” is true, then “not X” is FALSE.</p> <p>If the statement “X” is false, then “not X” is TRUE.</p>	<p>Circle true statements</p> <table border="1" data-bbox="826 321 1412 701"> <thead> <tr> <th>Statement</th><th>Not</th></tr> </thead> <tbody> <tr> <td>“all even numbers are multiples of 2”</td><td>“no even numbers are multiples of 2”</td></tr> <tr> <td>“Baseball is not a sport”</td><td>Baseball is a sport</td></tr> </tbody> </table> <p style="text-align: center;">X = “Math is fun” not X = MATH IS NOT FUN not not X = MATH IS FUN</p>	Statement	Not	“all even numbers are multiples of 2”	“no even numbers are multiples of 2”	“Baseball is not a sport”	Baseball is a sport
Statement	Not						
“all even numbers are multiples of 2”	“no even numbers are multiples of 2”						
“Baseball is not a sport”	Baseball is a sport						
<p>Inverse: Negating both the Hypothesis and the conclusion of a statement.</p> <p>Truth might change with inversion.</p>	<p>“If you grew up in Alaska, Then, you have seen snow.”</p> <p>Inverse: ”If you did not grow up in Alaska, Then you have not seen snow.”</p>						
<p>Converse: Switching the hypothesis and the conclusion of a statement.</p> <p>“If” and “Then” don’t move.</p> <p>Truth might change with conversion.</p>	<p>“If I am a fish, Then I can swim”</p> <p>Converse: ”If I am not a fish, Then I can not swim.”</p>						
<p>Contrapositive: The Converse and the Inverse of a</p>	<p>“If it is raining, then the grass is wet”</p>						

<p>statement.</p> <p>Switching and Negating both parts of a statement.</p> <p>Truth Stays the same.</p>	<p>Converse: "If the grass is wet, Then it is raining."</p> <p>Contrapositive: "If the grass is not wet, Then it is not raining."</p>
---	---