

HW
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Geometry

Chapter 2
Section 2-3

Vocabulary

Biconditional	A single statement that includes a conditional and its converse. *Can be written as "p if and only if q" or " $p \leftrightarrow q$ "
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Writing a Biconditional

p: Two angles are supplementary

q: Two angles' measures add up to 180

$p \rightarrow q$

If two angles are supplementary, then their measures add up to 180.

$q \rightarrow p$

If two angles' measures add up to 180, then they are supplementary.

$p \leftrightarrow q$

Two angles are supplementary if and only if their measures add up to 180.

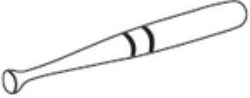


Identifying the Parts of a Biconditional

A point is a midpoint if and only if it divides a segment into two congruent segments.

If a point is a midpoint, then it divides a segment into two congruent segments.

If a point divides a segment into two congruent segments, then it is a midpoint.

"Bad" Definitions

<p>Bat A bat is a long stick used in sports.</p> 	<p>Toothpaste Toothpaste is the sticky stuff you use to brush your teeth.</p>
<p>Fork A fork is a pokey utensil you eat with.</p> 	<p>Tricycle A tricycle is a toy you can pedal to get from one place to another.</p>
<p>Mittens Mittens are the clothes you wear on your hands to keep them warm.</p> 	<p>Wristwatch A wristwatch is an object that tells you what time it is.</p>

Homework

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