## Mouth a · Study Vocab Created with Doceric

Linear Pair Postulate

 $\xrightarrow{2} m < 1 + m < 2 = 180$ 

if two angles are a linear Pair, then the sum of the two angles is 180°.

Vertical Angles theorem

3 4

vertical Angles have equal measure

m<1=m<3 m<a=m<4

Lines and Angles

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Postulate: Statement of basic facts that are accepted as true (post.) Without proof

Theorem: Statements that have been proven using deductive reasoning from definitions, facts or relationships

\*Transitive property: if two things are equal to the same thing, then they are equal to each other.

EXI LA = LC , LB = LC then LA = LB

Other useable properties:

Addition Property Multiplication Property Subtraction Property Division Property Created with Doceria

Parallel lines - Lines in a plane that do not intersect

Transversal - line that intersects two lines transversal

Supplementary - pair of angles that sum to 180°

Complementary - pair of angles that sum to 90°

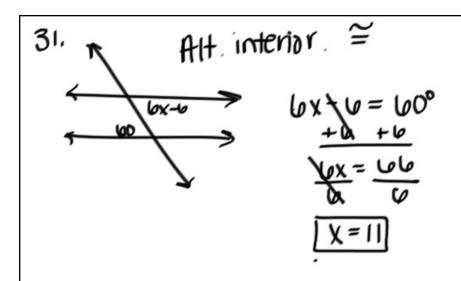
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Vocabulary

## Vocabulary ·Supplementary ·Complementary definitions · Acute 4 · Right 4 · olotuse 4 ·transversal · Linear Pair · Same-side exterior · Same-side interior · Alternate exterior · Alternate interior · Vertical XS

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· Corresponding \*s





\* Corresponding Angles Assumption: if two parallel lines are cut by a transversal, then the corresponding angles have equal measure.

Parallel lines Postulate: In a plane, two lines cut by a transversal are parallel if a only if corresponding angles have equal measure.

More Proofs

