

1.5 Properties

1 Addition Property

If an angle or segment is added to $2 \cong$ angles or segments, their sums are \cong

If $2 \cong \angle$ (or segments) are added to $2 \cong \angle$ (or segments) then their sums are \cong

2 Subtraction Property

If an \angle or segment are subtracted from $\cong \angle$ or segments, their differences are \cong

3 Division Property

Like division of \cong segments are \cong

4 Reflexive Property

Same $\angle A \cong \angle A$

5 Substitution/transitive Property

If $x = y = z$, $x = z$