Geometry

Ch 2 Notation and Constructions

Name: Sirimanne
Date:
Period

Notes

line AB

notation: $\overleftrightarrow{AB}$

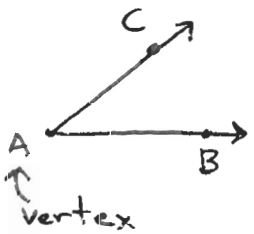
line segment

notation: $\overline{AB}$

ray

notation: $\overrightarrow{AB}$

angle



notation: $\angle CAB$

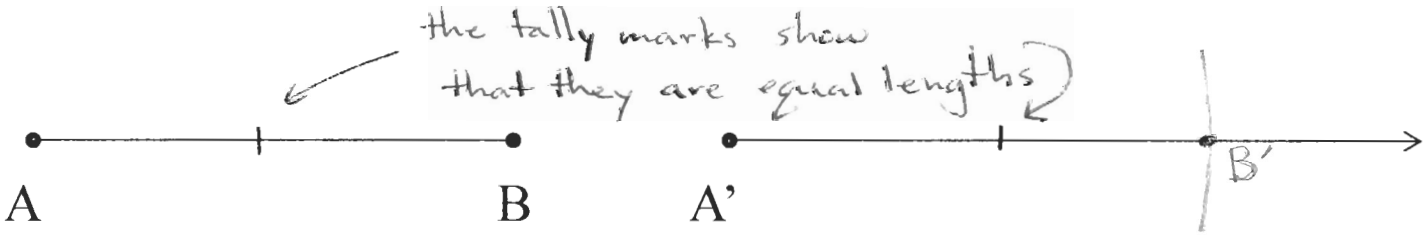
or $\angle BAC$

note: vertex always in the middle

collinear

definition: points, rays, or segments on the same line.

Construction 1: Copying a Segment



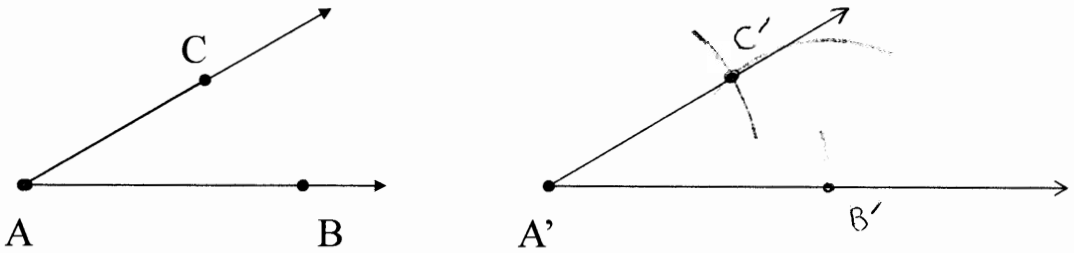
Congruence equation: $\overline{AB} \cong \overline{A'B'}$

translation: the segment AB is congruent to segment A'B'

Equality Equation: $AB = A'B'$

translation: the length of segment AB is equal to the length of segment A'B'

Construction 2: Copying an angle



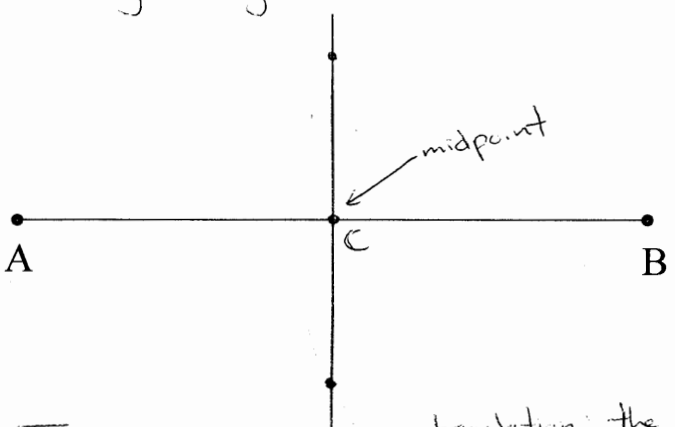
Congruence equation: $\angle BAC \cong \angle B'A'C'$

translation: the angle BAC is congruent to angle B'A'C'

Equality Equation: $m\angle BAC = m\angle B'A'C'$

translation: the measure of angle BAC is equal to the measure of angle B'A'C'

Construction 3: Bisecting a segment



Congruence equation: $\overline{AC} \cong \overline{CB}$

translation: the segment AC is congruent to $\overline{CB}$

Equality Equation: $AC = CB$

translation: the length of AC is equal to the length of CB