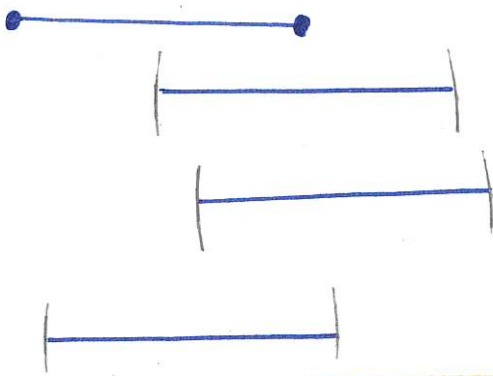
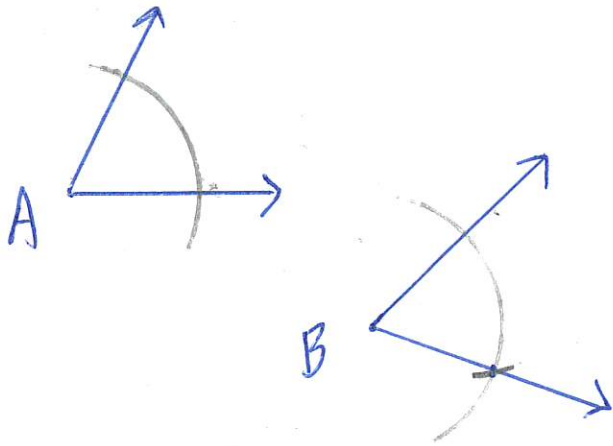


Construction

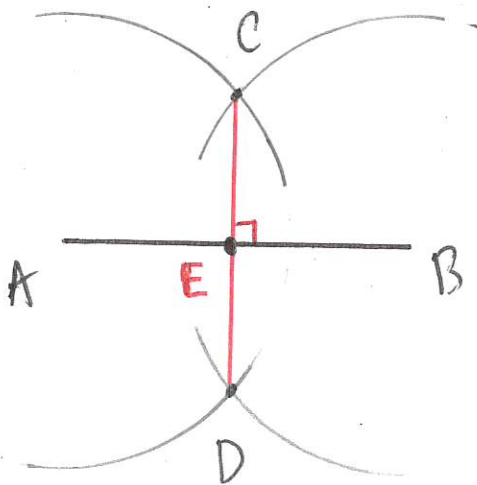
(Equal) Congruent Line Segment



Congruent Angle



Perpendicular (Bisector) *cut in half*



E is the midpoint of \overline{AB}

Steps

① use the Compass to measure the length of the line.

② Mark the end points with compass.

③ use straight edge to draw a line.

① Draw a ray with the straight edge. Label the endpoint B.

② Take compass and ~~point~~ place pointer on A. Make an arc intersecting both lines.

③ Repeat ② for B.

④ Measure the width of $\angle A$ with compass.

⑤ use compass to mark the ~~width~~ *width* of $\angle B$ on its arc.

⑥ use straightedge to draw the ray from B to the mark.

① Place pointer on A and make an arc above the line \overline{AB} .

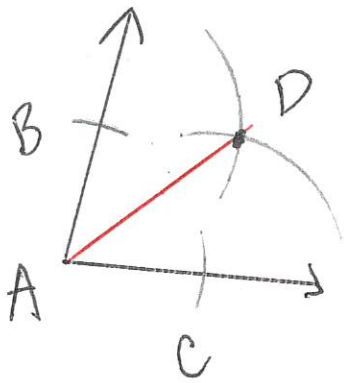
② Place pointer on B and make an arc above \overline{AB} that intersects the other arc.

③ Repeat ① and ② below the line \overline{AB} .

④ where the arcs intersect label one C and other D.

⑤ use straightedge to draw \overline{CD} .

Angle (Bisector) cut in half



- ① Take compass and place pointer at A. Mark a center point on each ray with the same width.
- ② Label marks B and C.
- ③ use compass to make an arc between the rays at B and C.
- ④ where arcs intersect, label D.
- ⑤ Draw \overline{AD} with straight edge.