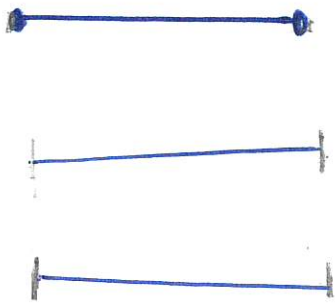
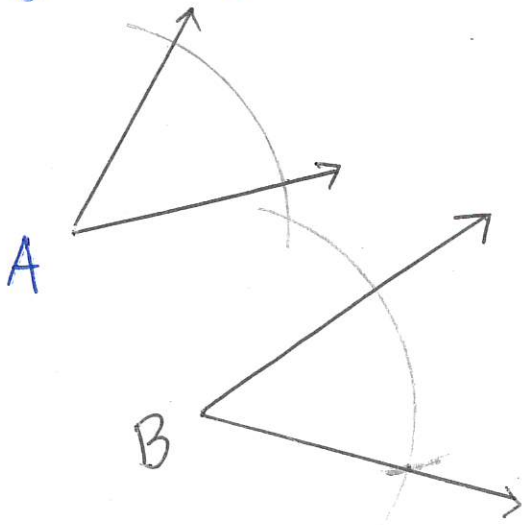


Construction

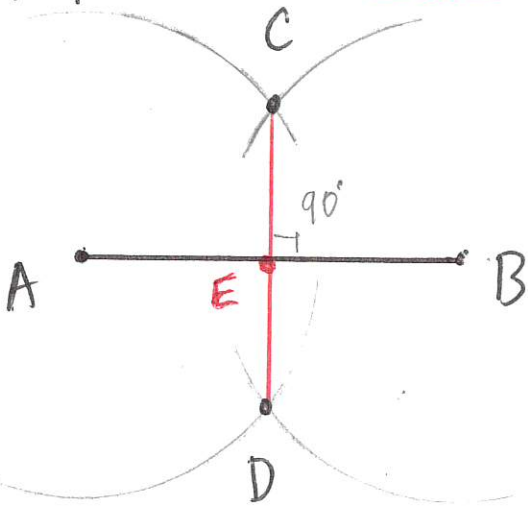


Congruent line Segment
(equal)

Congruent Angle



Perpendicular bisector Cut in half



E is the midpoint of AB

Steps

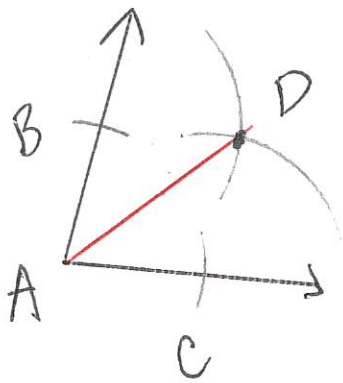
2nd

- ① Use the compass to measure the length.
- 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 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 of $\angle B$ on its arc.
- ⑥ Use straight edge to draw the ray from B to the mark.

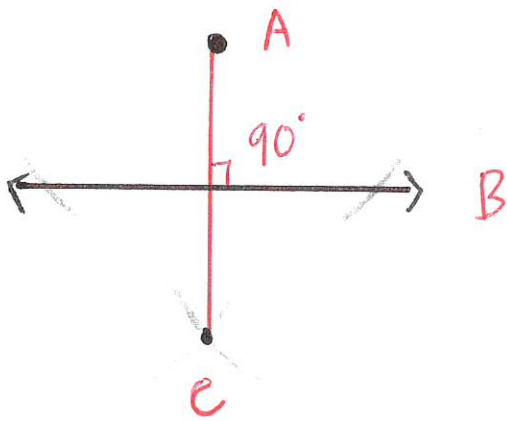
- ① Place pointer on A and make an arc above the line \overline{AB} .
- ② Place pointer on B and make an arc above \overline{AB} that intersects the other arc.
- ③ Repeat ① and ② below the line \overline{AB} .
- ④ where the arcs intersect label one C and other D
- ⑤ use straight edge to draw \overline{CD} .

Angle (Bisector) cut in half



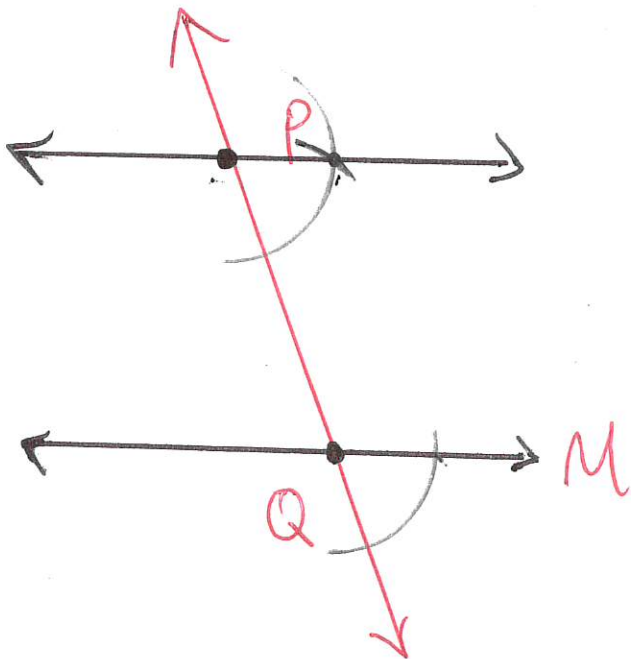
- ① Take compass and place pointer at A. Mark a center point on each ray with the same width.
- ② Label marks B and C.
- ③ Use compass to make an arc between the rays at B and C.
- ④ Where arcs intersect, label D.
- ⑤ Draw \overline{AD} with straightedge.

Perpendicular line at a point



- ① Place pointer at A. Make two marks on the line B opposite of each other.
- ② Place pointer at each mark and make 2 arcs below the line B. Arcs should intersect.
- ③ Label the intersection C.
- ④ Draw \overline{AC} with straightedge.

Parallel Lines



- ① Construct a transversal through P that intersects line M.
- ② Where the transversal intersects M, label Q.
- ③ Copy an angle at Q and place it at P.