

8/23



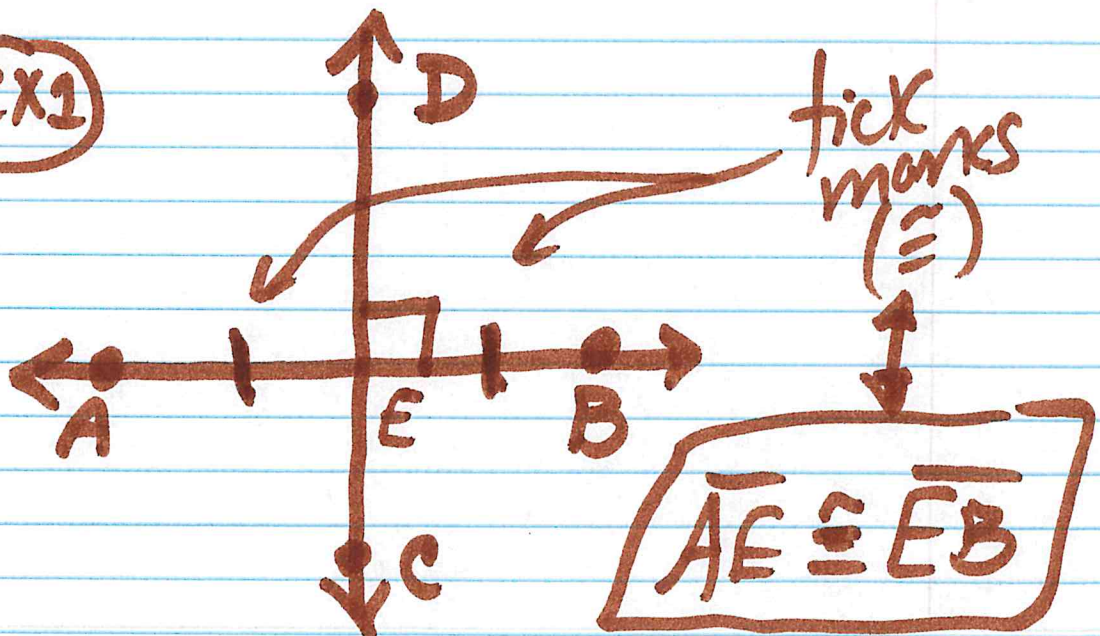
Tomorrow  
picture day

8/24

## Lesson 4: Perpendicular Bisector

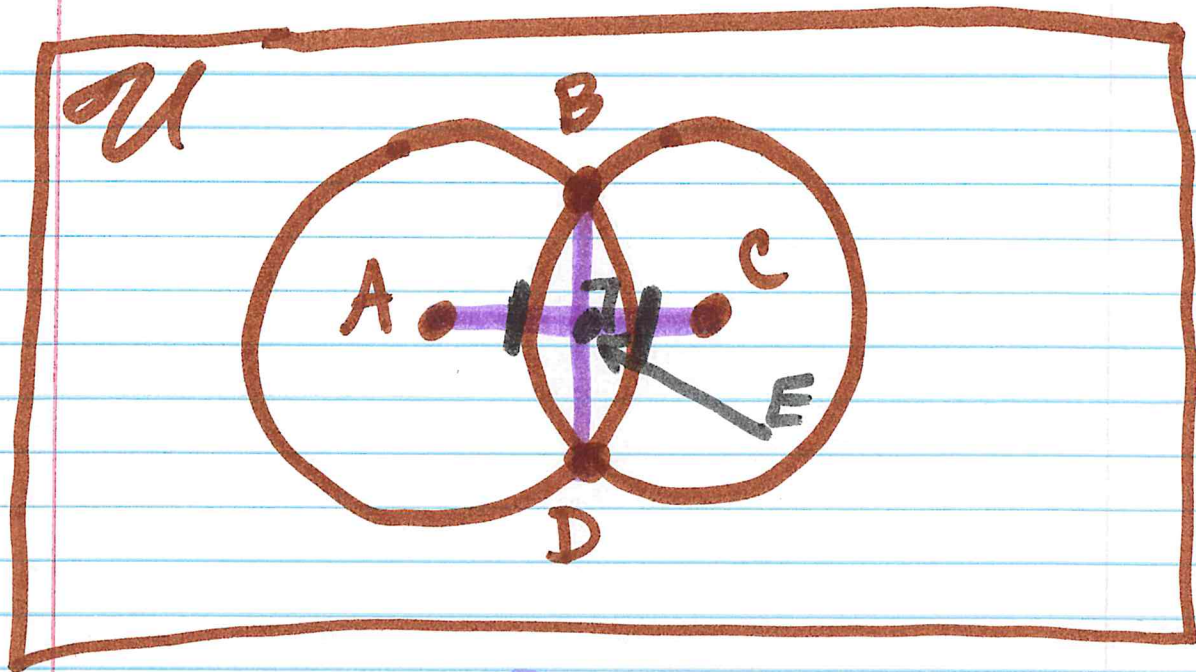
- create  $90^\circ$   $\angle$ 's
- splits into 2  $\cong$  parts

(ex1)



Symbol ( $\perp$ )

perpendicular ①



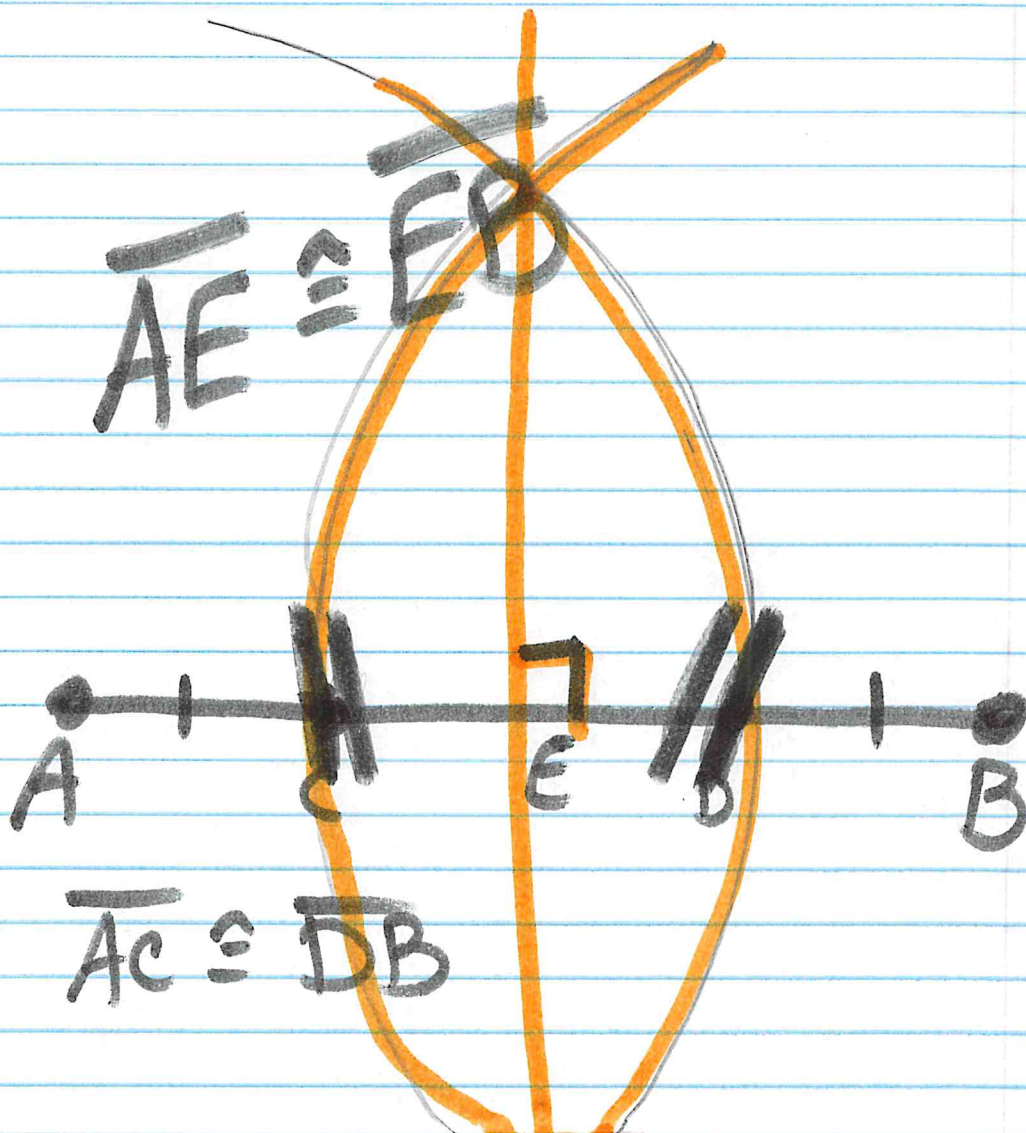
- Steps:
- ① Construct 2 circles
  - ② Connect center points
  - ③ Draw a line from B to D
  - ④ Insert  $90^\circ \angle$  & tick marks

Equidistant: equal distance

(ie1) Construct  $\perp$  bisector using a segment.

① Draw a segment

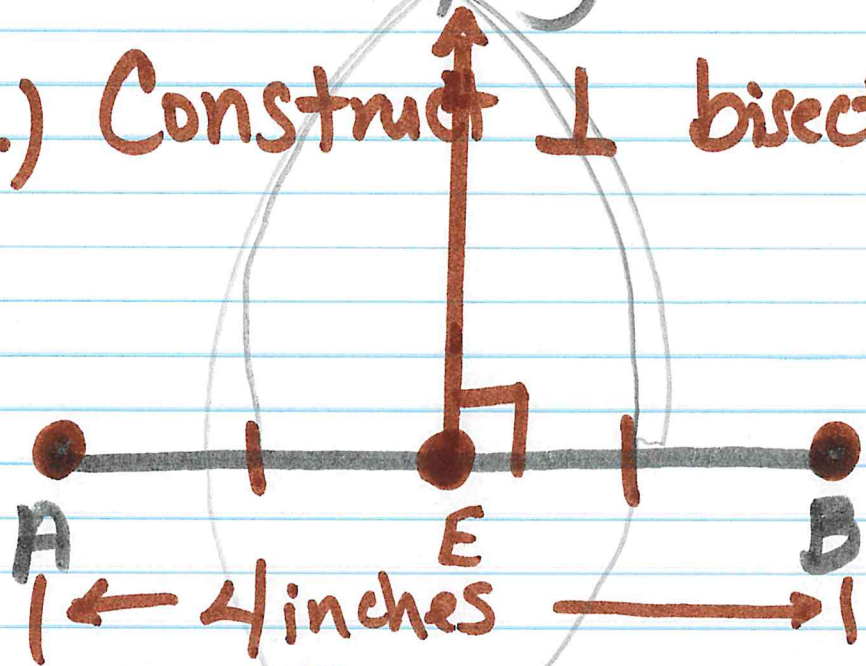
② Open compass past  $\frac{1}{2}$  distance.



First, Last

Lesson 4: HWK  
pgs. 22-24  
#1-3

1.) Construct  $\perp$  bisector.



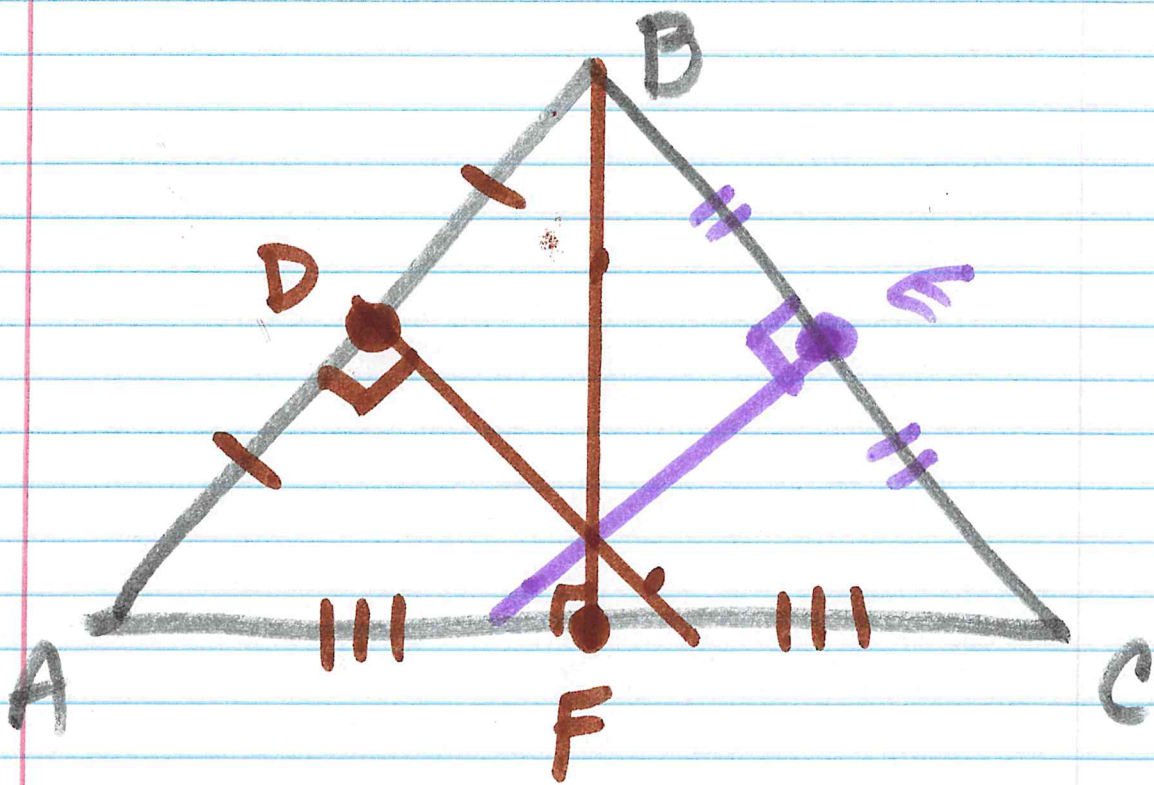
~~$2 \sqrt{5}$~~

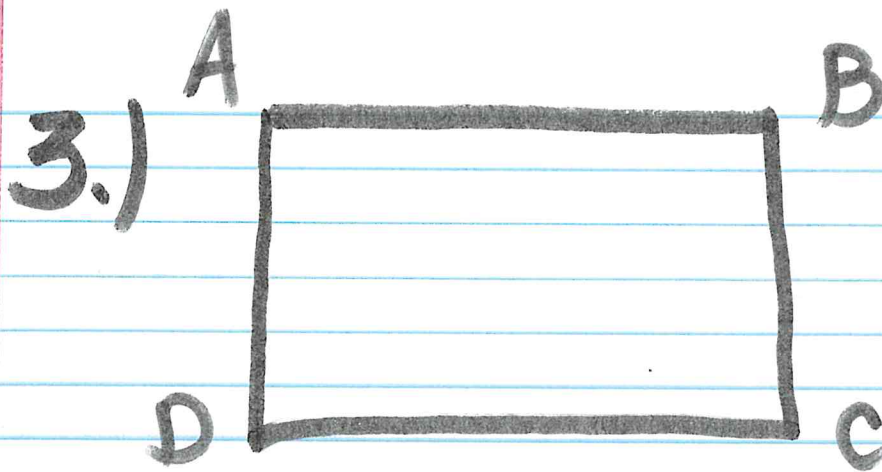
$2 \sqrt{4} = 2 \text{ inches}$

- ① Draw a segment
- ② Measure length; divide by 2
- ③ Create  $90^\circ \angle$

①

2.) Construct  $\perp$  bisector  
for  $\overline{AB}$ ,  $\overline{BC}$ , &  $\overline{CA}$   
on the  $\Delta$ .





Create  $\perp$  bisector  
for  $\overline{AB}$ ,  $\overline{BC}$ ,  $\overline{CD}$ ,  $\overline{AD}$