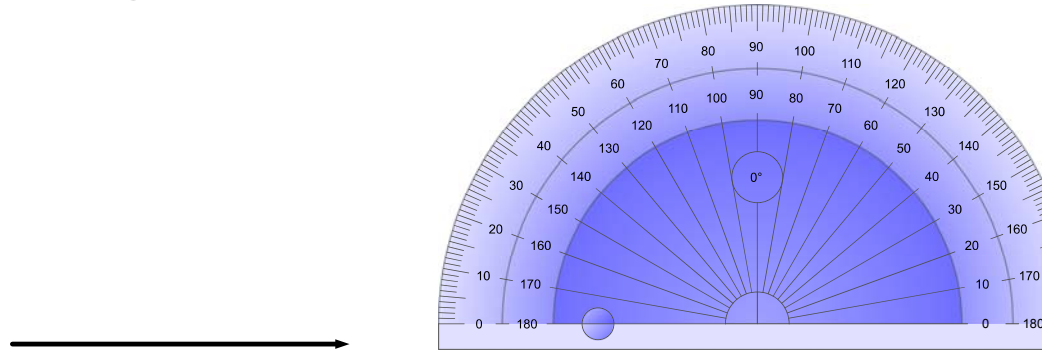


Copying an Angle with compass & ruler only

Draw a 40 degree angle with a 4 cm base and 3 cm side. using a protractor and ruler.



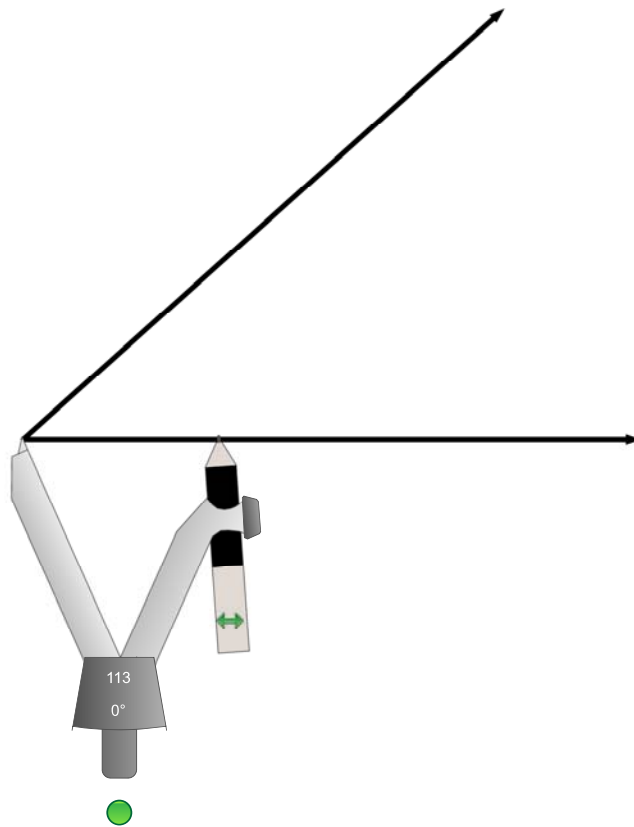
To copy the angle:

Step 1: draw a new base line.



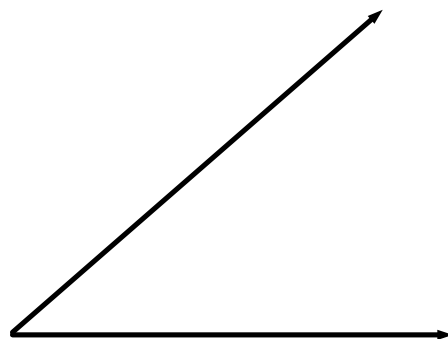
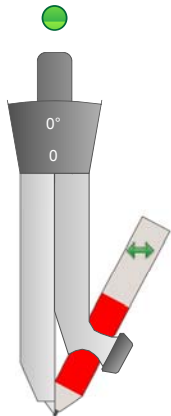
Step 2 On original angle, from the vertex draw an arc of any radius and draw this on copy.

Label the point where new arc intersects base side both diagrams.



Step 3 On original measure out “new radius” which the length between 2 point of intersection of arc.

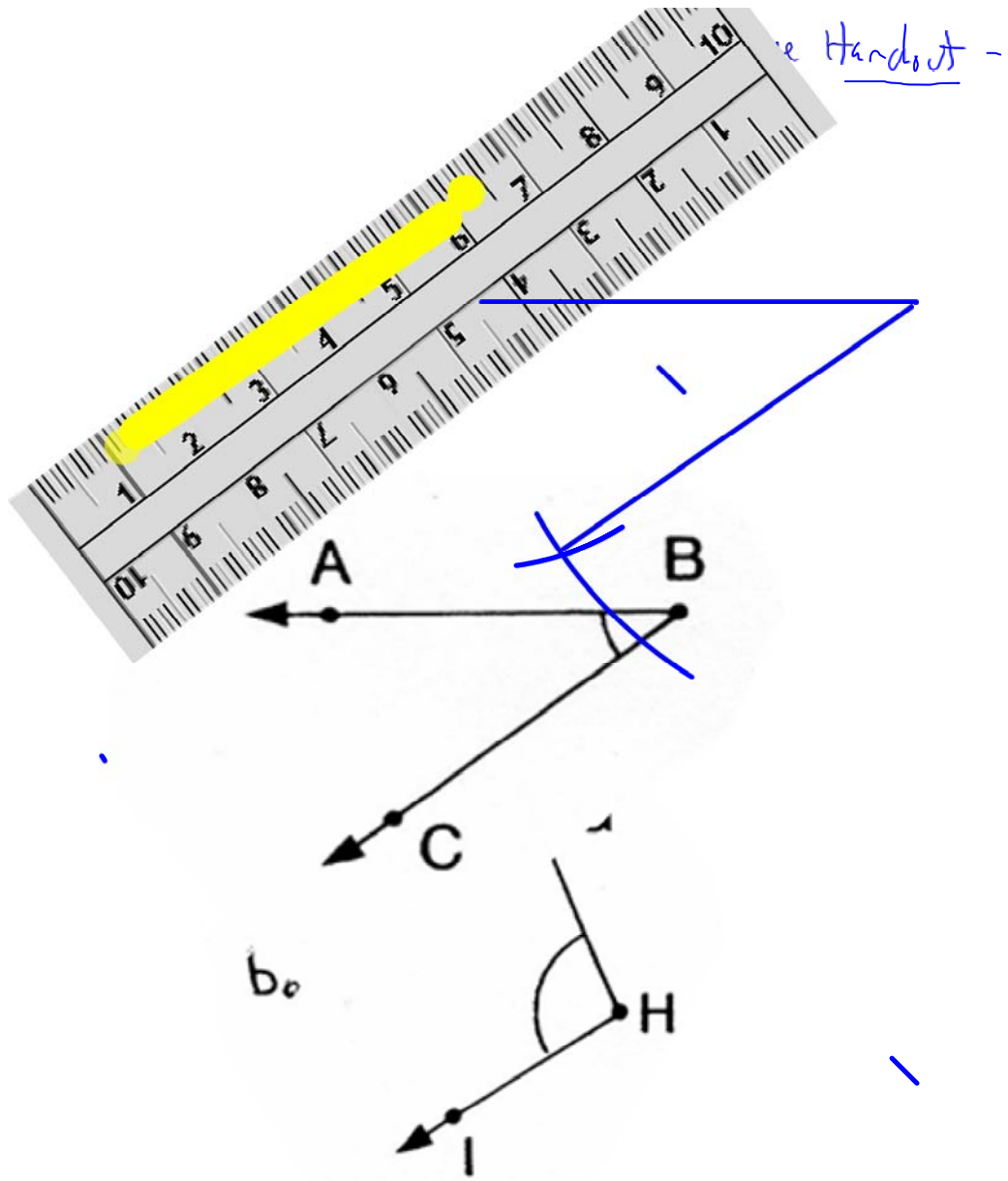
Draw this “new radius” as an arc from point on copy.
(It should intersect other arc)

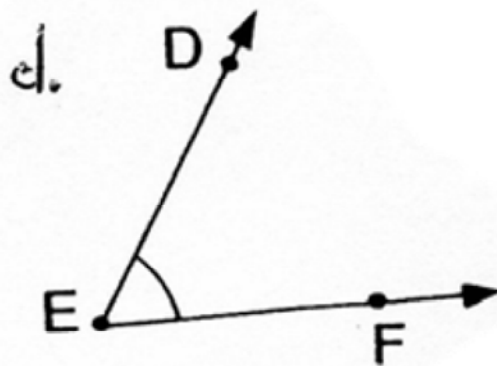
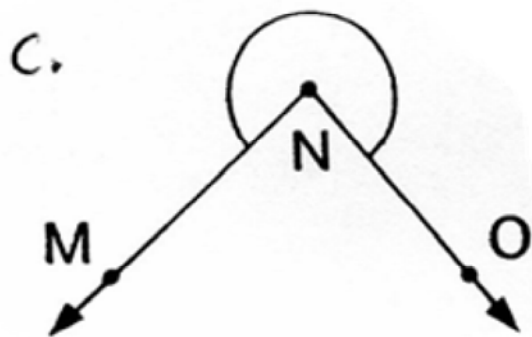


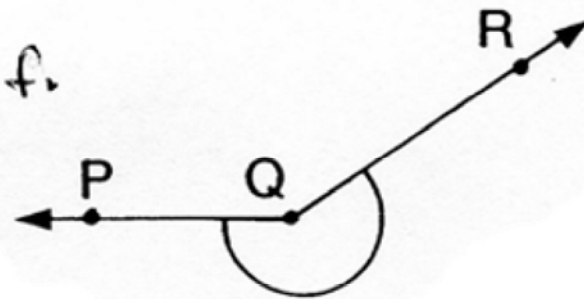
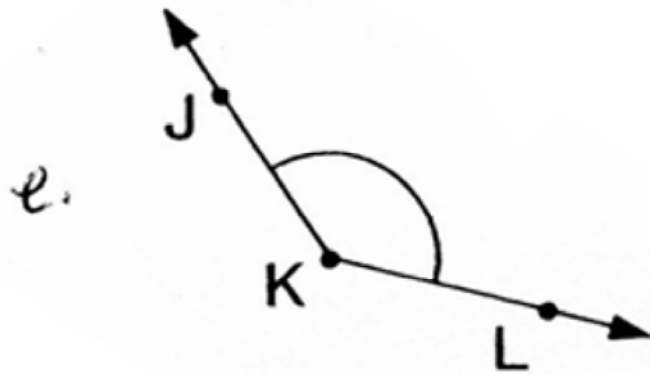
Step 4 Finally, draw new side in copy from vertex to the point of intersection of the 2 arcs.

- see Handout- Copying Angle with Compass & Ruler Only
(together)

- Do Assignment-Copying Angle with Compass & Ruler Only







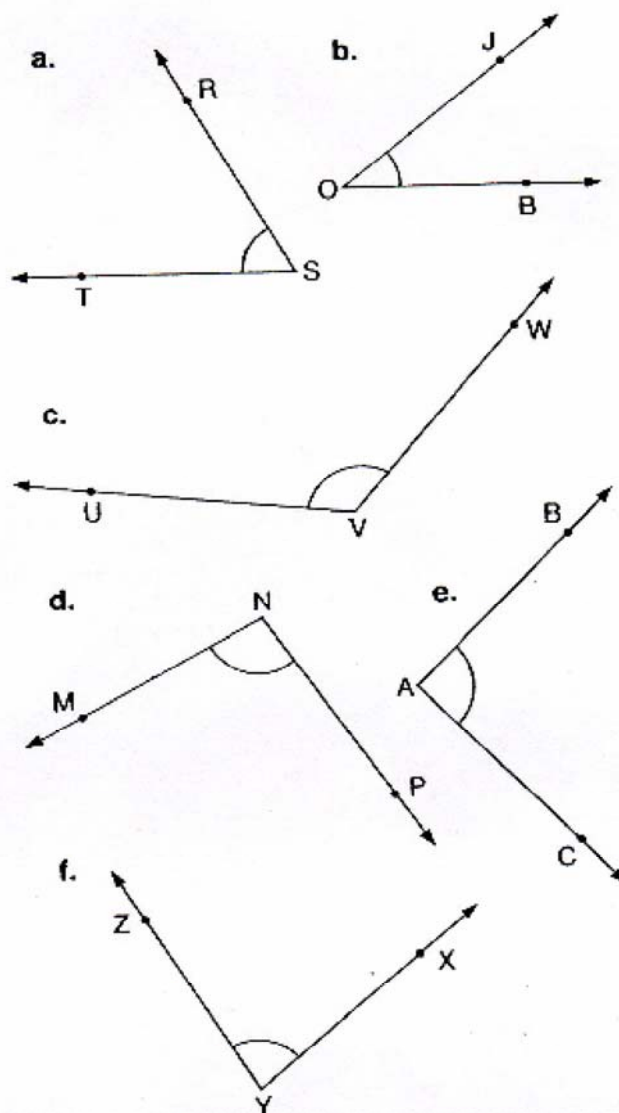
Do Assignment - Copy an Angle with Compass & Ruler ONLY

Assignment

Copy an Angle with Compass & Ruler ONLY

Name _____

Construct/copy the following angles on looseleaf using only a ruler & compass.
(you may measure both angles after to see they are the same)



Handout-Copying an Angle with Compass & Ruler ONLY

Name _____

Construct/copy the following angles on looseleaf
(you may measure both angles after to see they are the same)

