Geometry

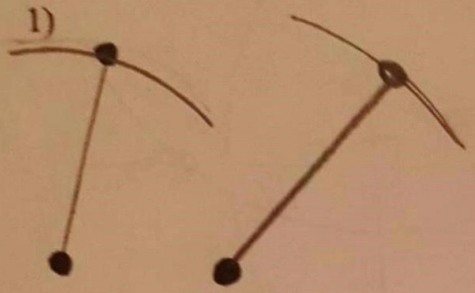
Name_____

Constructions

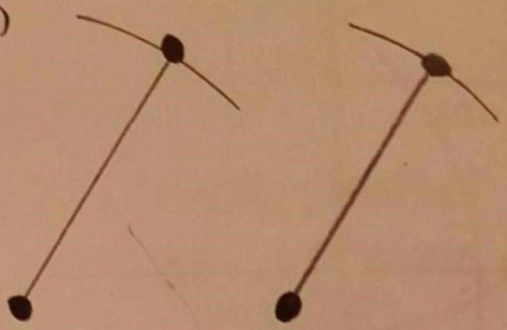
Date_____

Construct a line segment congruent to each given line segment.

1)

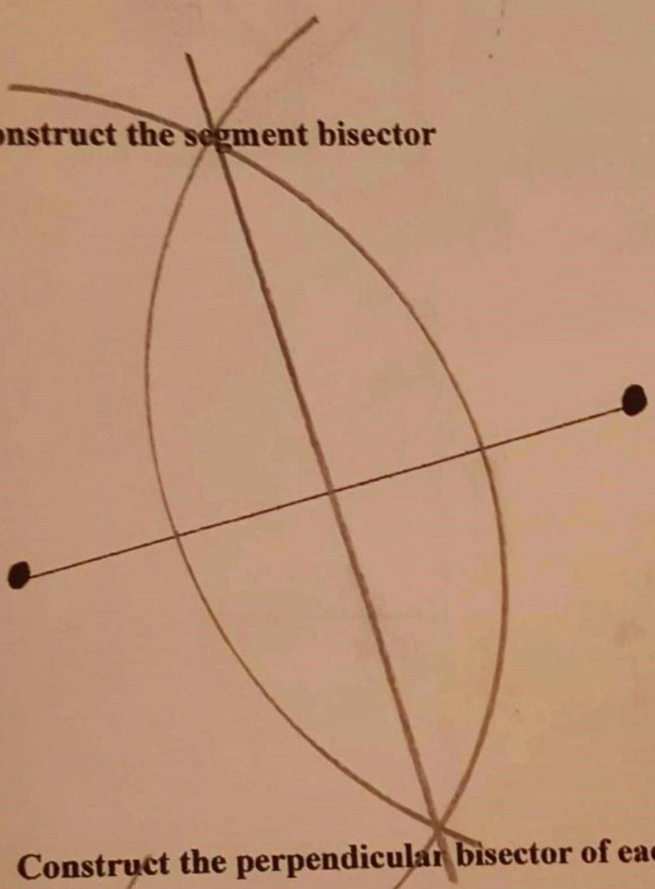


2)

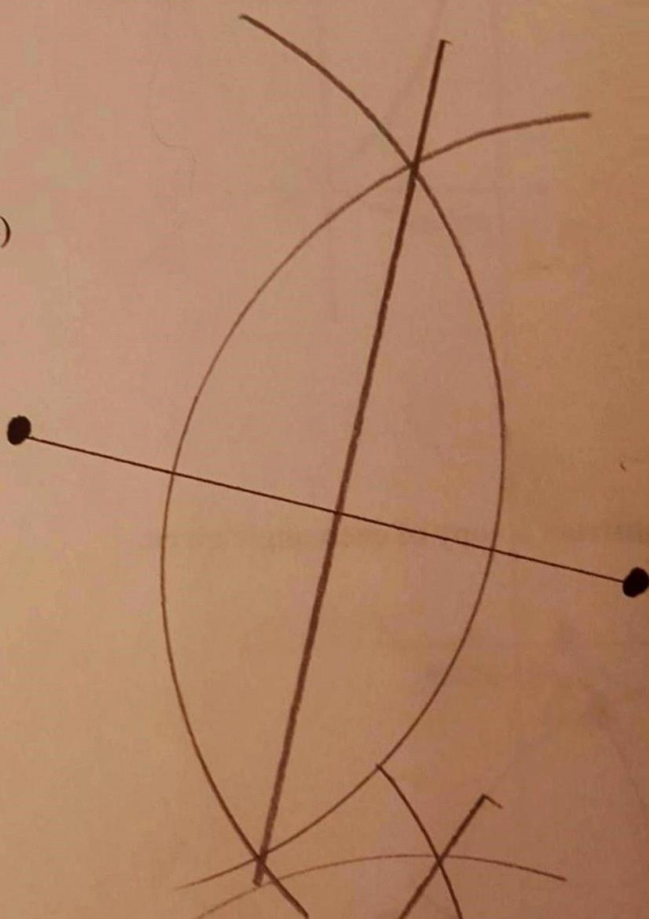


Construct the segment bisector

3)

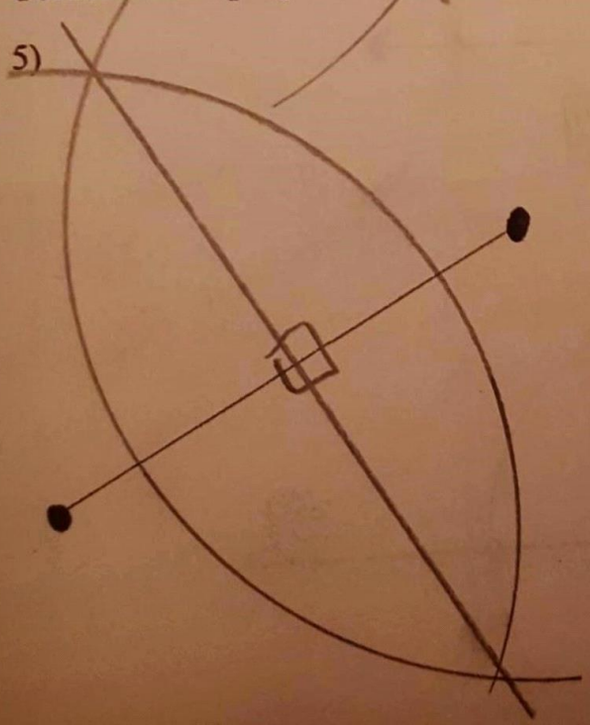


4)

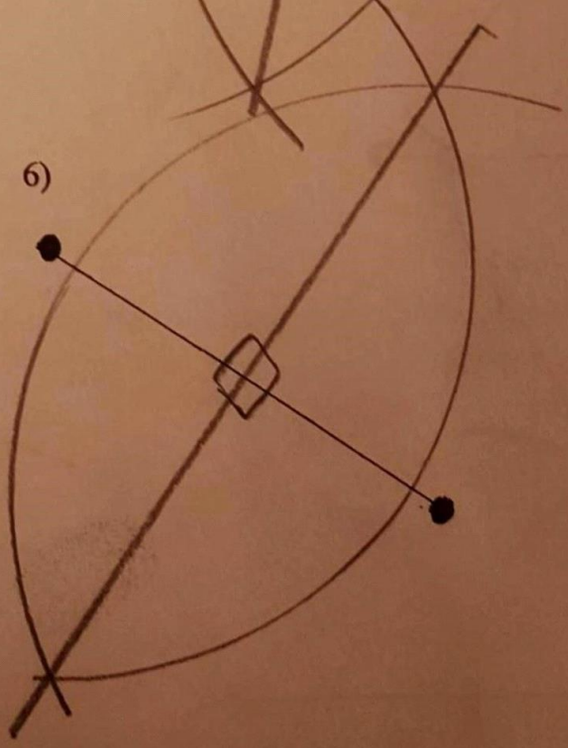


Construct the perpendicular bisector of each.

5)

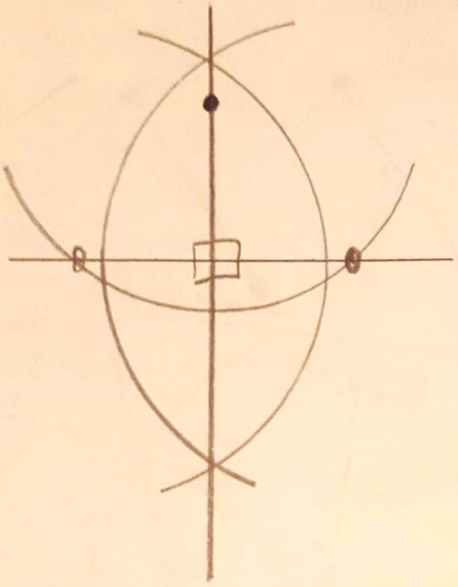


6)

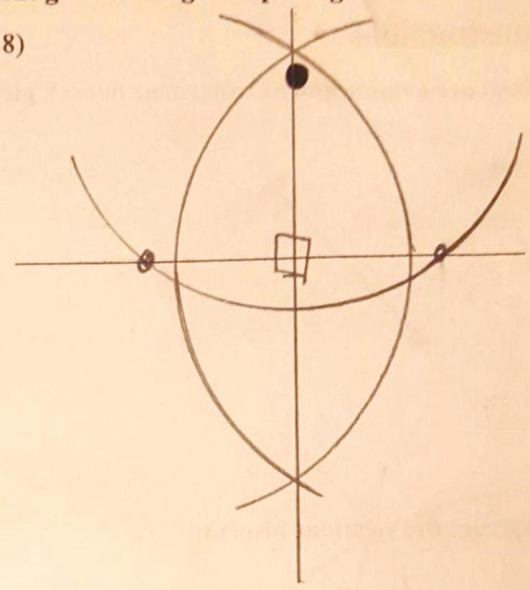


Construct a line segment perpendicular to the segment given through the point given.

7)

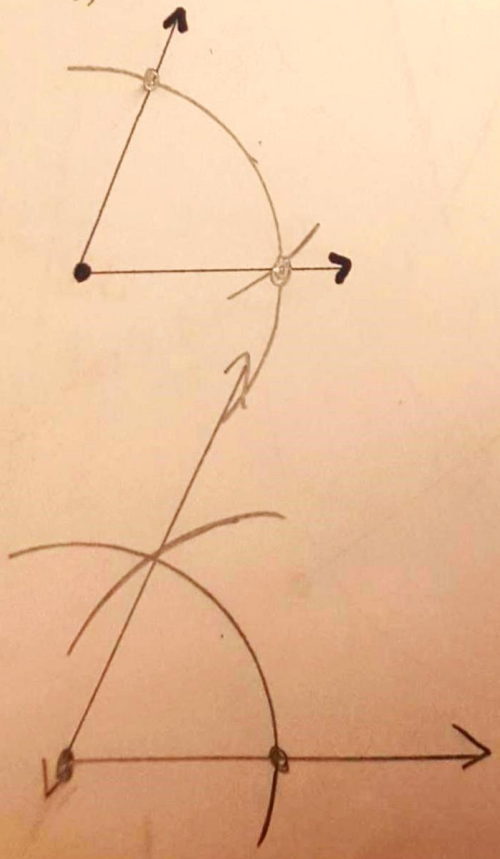


8)

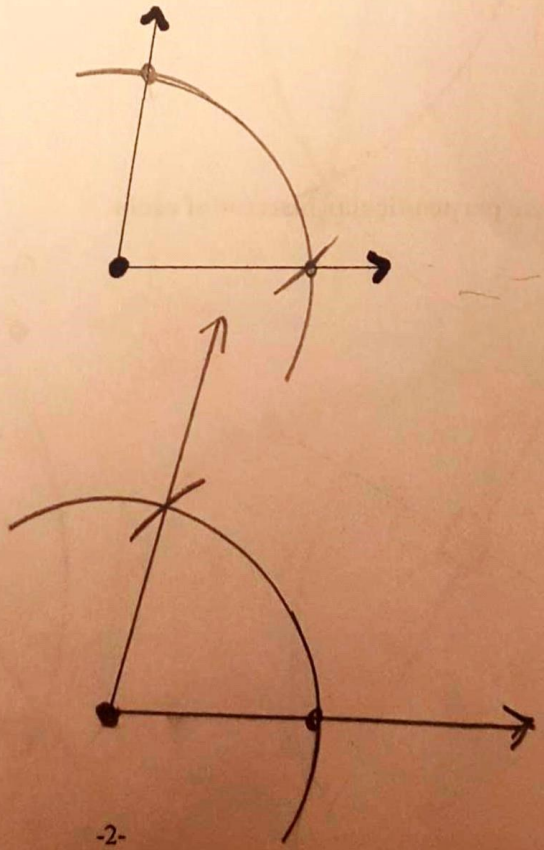


Construct a copy of each angle given.

9)



10)

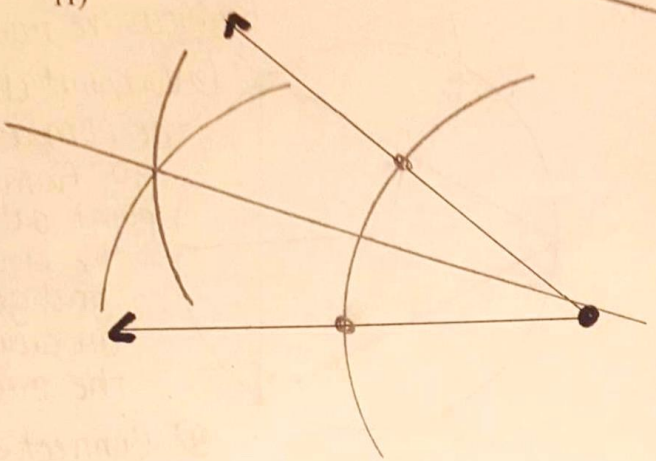


Const

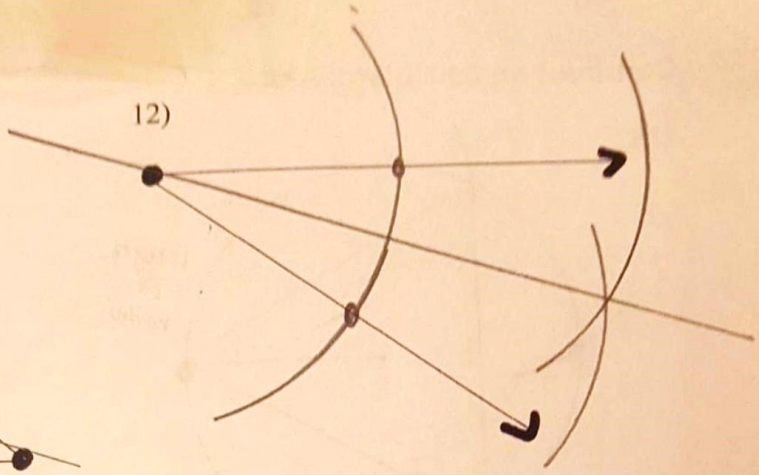
7)

Construct the bisector of each angle.

11)



12)



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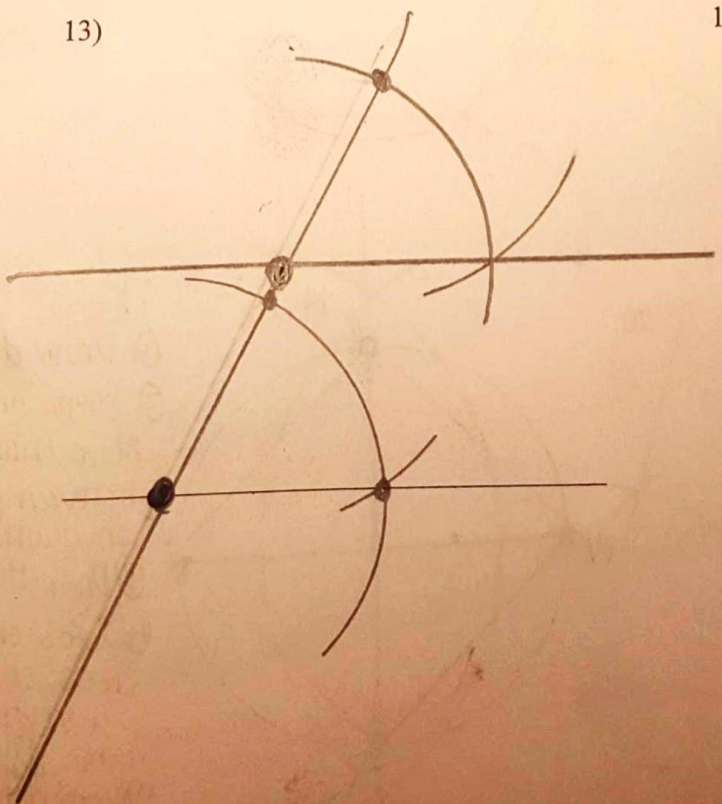
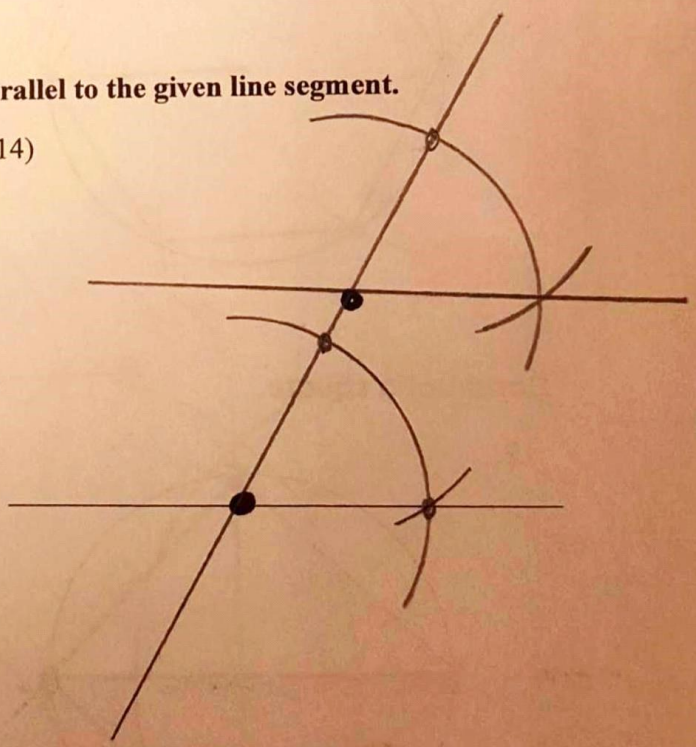
9)

Construct a line segment through the given point parallel to the given line segment.

13)

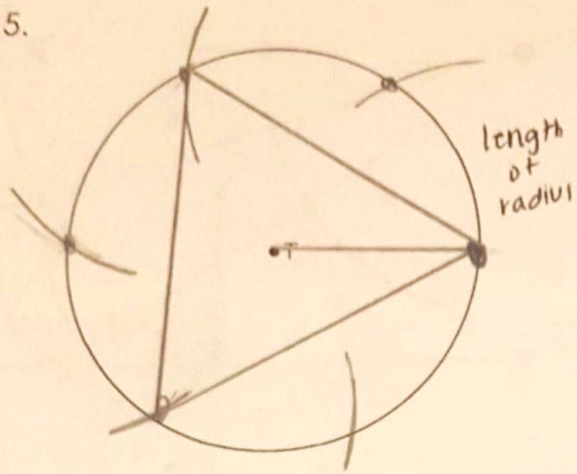


14)

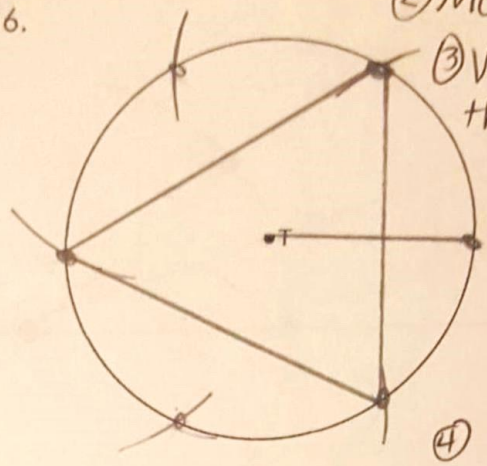


Construct an Equilateral Triangle

15.



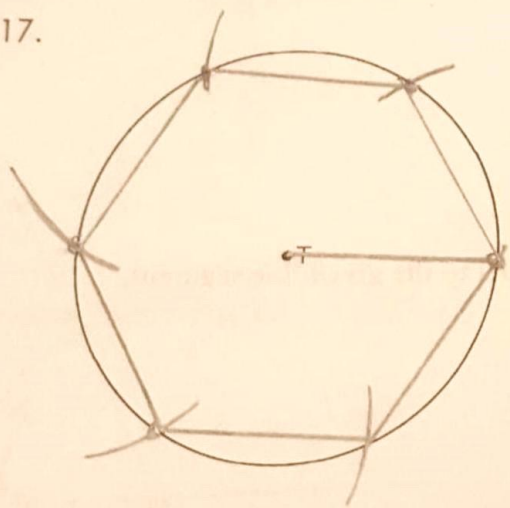
16.



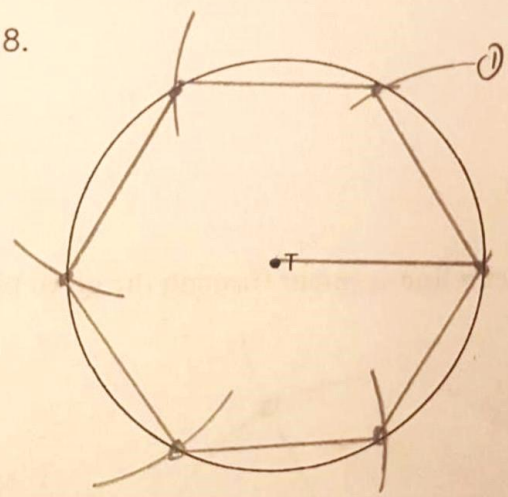
① Draw a radius
② Measure radius
③ Without changing the compass, go from the point outside the circle, and go all around the circle.
④ Connect every other point.

Construct a regular hexagon.

17.



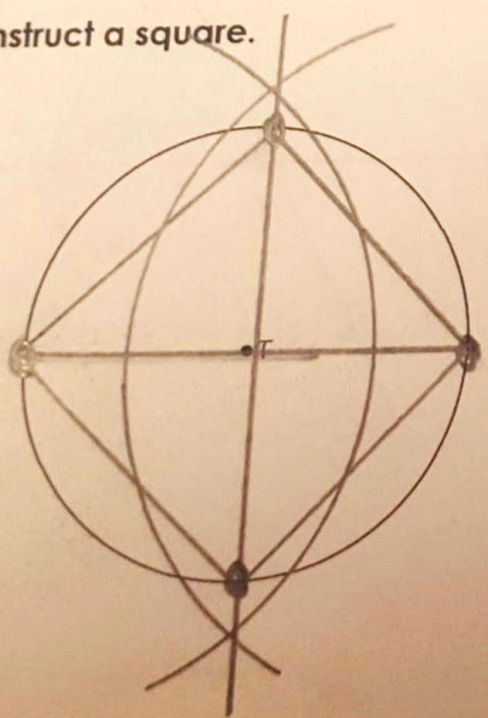
18.



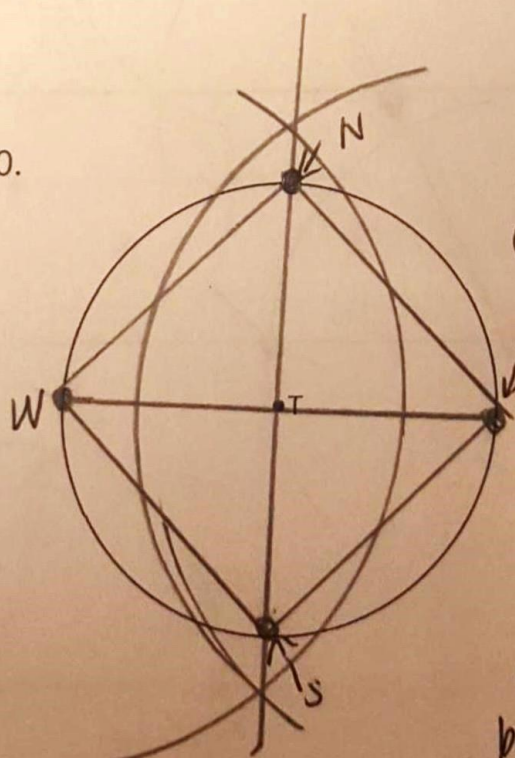
① Follow steps 1-3.
② Connect every point

Construct a square.

19.



20.



① Draw diameter
② Draw an arc more than ½ between points on diameter.
③ Do both ends
④ Arcs should cross. draw a vertical line, the "North" points will be where circle & line cross.
⑤ Then connect 4 points