Geometry

Name_____

Assignment Bisect the given line segment Date_____ Period____

~~Construct a line segment congruent to each given line segment.~~

1)

2)

3)

4)

5)

6)

7)

8)

9)

10)

Geometry

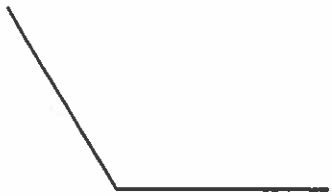
Name_____ ID: 1

Assignment Bisect the given angle

Date_____ Period____

~~Construct a copy of each angle given.~~

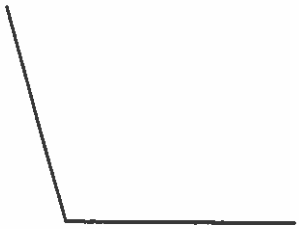
1)



2)

3)

4)



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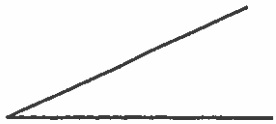
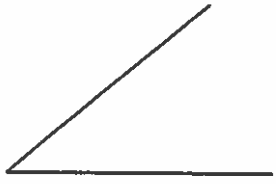


6)



Name_____

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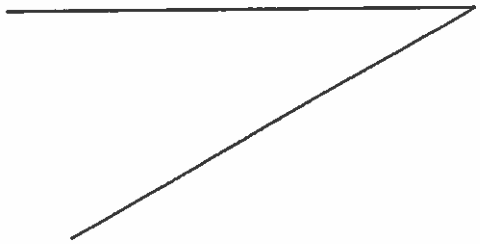
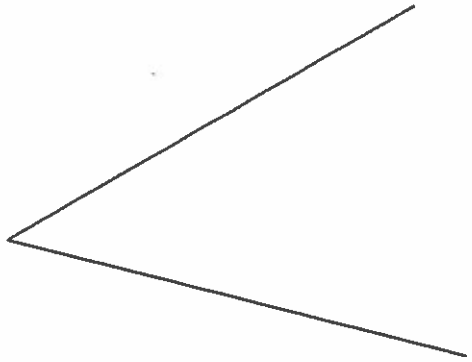
Date_____ Period____

Construct the bisector of each angle.

1)

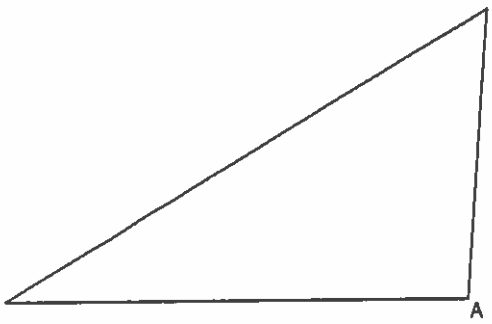


2)

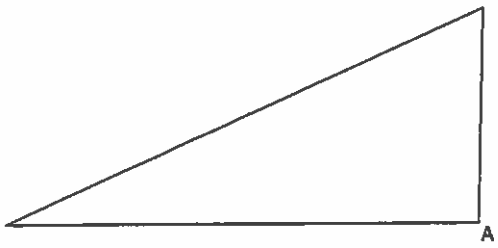


For each triangle, construct the angle bisector of angle A.

3)



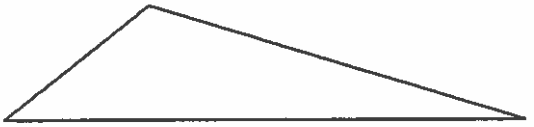
4)



Bisect any 2 angles

~~Locate the incenter of each triangle.~~

5)



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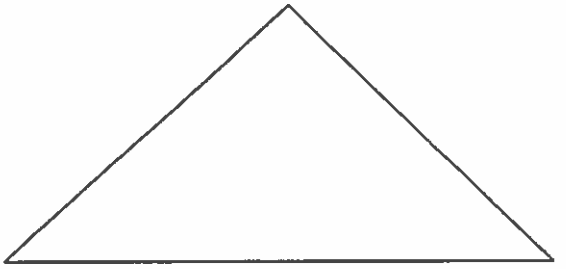
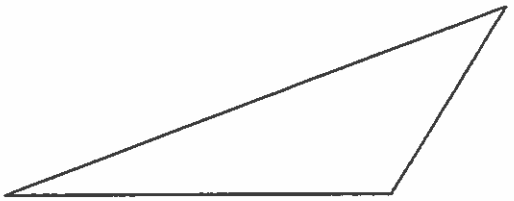
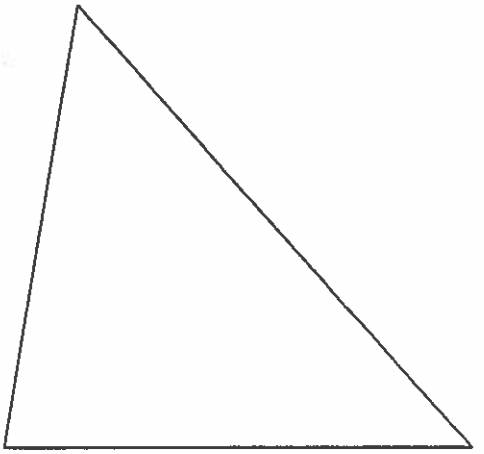


For each triangle, construct all three angle bisectors to show they are concurrent.

7)



8)



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Name_____

Perpendicular Bisector Constructions

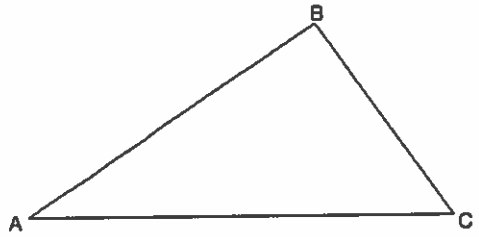
Date_____ Period____

Construct the perpendicular bisector of each.

1)

Construct the perpendicular bisector of side AB of each triangle.

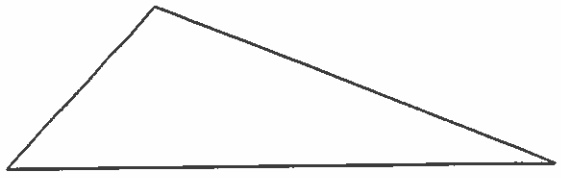
2)



Construct two perpendicular bisectors

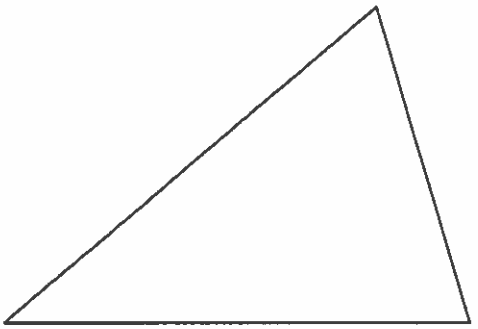
~~Locate the circumcenter of each triangle.~~

3)



For each triangle, construct all three perpendicular bisectors to show they are concurrent.

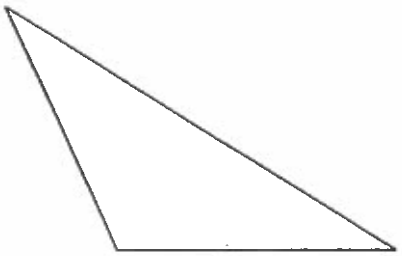
4)



Construct all three perpendicular bisectors

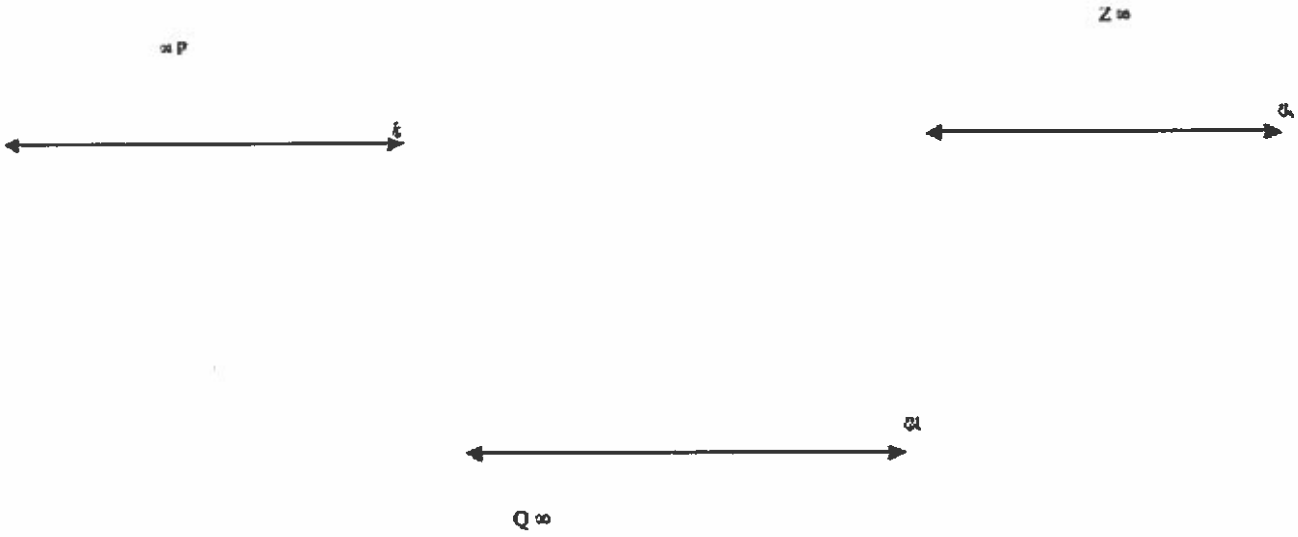
~~**Circumscribe a circle about each triangle.**~~

5)



Name: _____ Date: _____

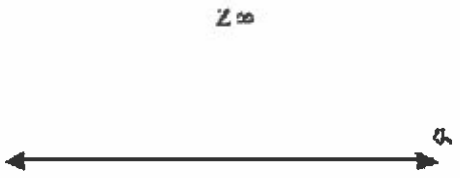
CONSTRUCTION: Perpendicular through a Point off The Line
Objective: Given a line and a point not on the line, construct the perpendicular to the line through the point.

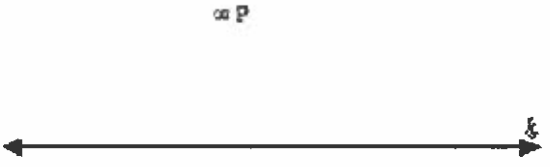


CONSTRUCTION: Perpendicular through a Point on the Line
Objective: Given a line and a point on the line, construct the perpendicular to the line through the point.

Name: _____ Date: _____

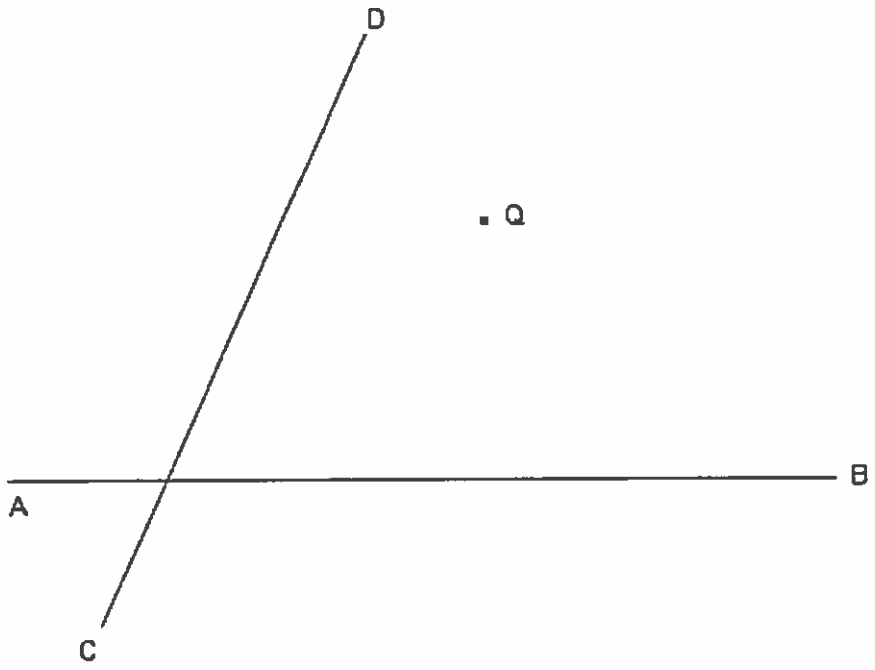
CONSTRUCTION: Parallel through a Point off The Line
Objective: Given a line and a point not on the line, construct the perpendicular to the line through the point.





Name: _____ Date: _____

1. Construct a line parallel to AB through Q, and another line parallel to CD also through Q
2. What is the name of the resulting 4-sided shape?



1. Construct a line perpendicular to AB through P, and another line perpendicular to CD also through P

2. What is the name of the resulting 4-sided shape? Measure its side lengths with a ruler and calculate its area.