Geometry

Constructing the Circumcenter

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Circumcenter- The point at which all three perpendicular bisectors intersect.

Given the triangle below, construct the 3 perpendicular bisectors, one for each side.

1)



B

C

A

Constructing the Centroid

Centroid- The point at which all three medians intersect. AKA: “center of gravity”

Given the triangle below, construct the 3 medians, one for each side.

2).



B

A

C

Constructing the Orthocenter

Orthocenter- The point at which all three altitudes intersect

Given the triangle below, construct the 3 altitudes, one for each side.

3).



B

A

C

Constructing the Incenter

Incenter- The point at which all 3 angle bisectors intersect.

Given the triangle below, construct the 3 angle bisectors, one for each angle.

4).



B

A

C