(DN) Read the directions at the top and bottom of problem 1 of today's assignment and summarize what you are supposed to do on your do now packet.
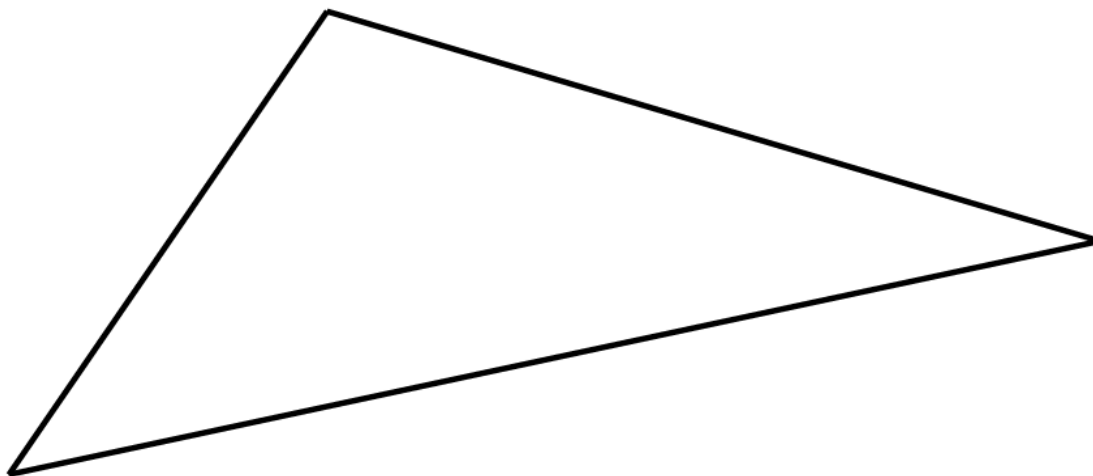
Name _____**Per**_____

SLO: I can construct incenters and circumcenters for triangles by constructing angle bisectors and perpendicular bisectors.
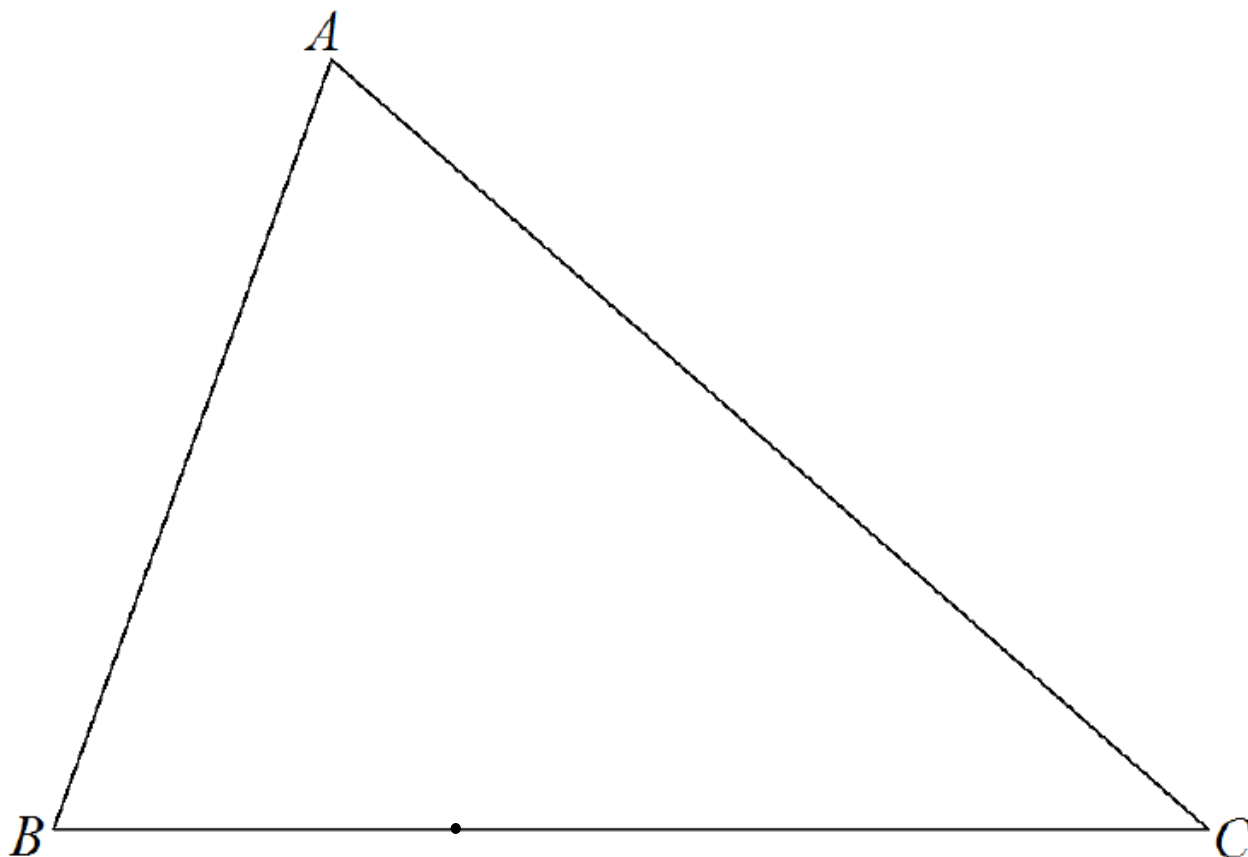
☐ **(1)**   **Constructing a point of concurrency: The** _____

scissors
cup
☐ Construct 3 perpendicular bisectors, one for each side of the triangle. Use a different color for each construction.

The three perpendicular bisectors should meet in one point called a **point of concurrency**. If they don't intersect, make them longer until they do. Put the point of your compass on the point of concurrency and the pencil of your compass on one vertex of the triangle. Once your compass is set, make a circle. Did it pass through each vertex of the triangle? If it did, you found the point of **concurrency** called the **circumcenter** because the triangle is **circumscribed** by this circle.

☐ **(2)**   **Constructing a point of concurrency: The** _____

compass   Construct 3 angle bisectors, one for each angle of the triangle. Use a different color for each angle bisector.
highligh-
ters

The three angle bisectors should meet in one point called a **point of concurrency**. If they don't intersect, make them longer until they do. Put the point of your compass on the point of concurrency and the pencil of your compass on the dot on segment BC. Once your compass is set, make a circle. Did it barely touch each side of the triangle? If it did, you found the point of **concurrency** called the **incenter** because the circle is **inscribed** inside this triangle.
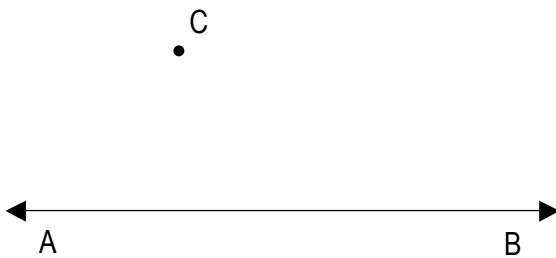
Homework

☐ (1) DRAW:

a) Q is the midpoint of $\overline{PC}$
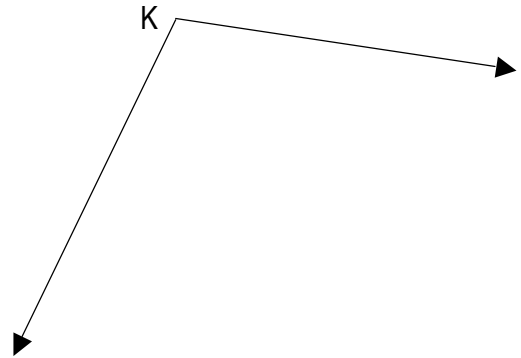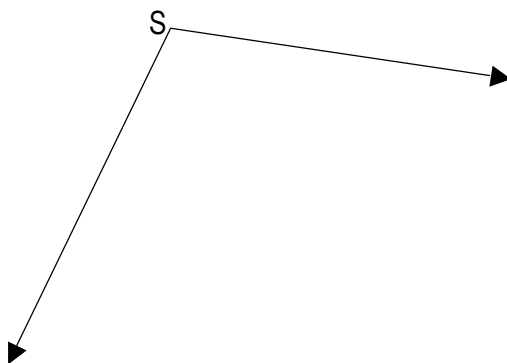
b) $\overrightarrow{TR} \perp \overleftrightarrow{HL}$

c) $\angle CDE$ is bisected by $\overrightarrow{DZ}$

d) scalene triangle OWU

(2) CONSTRUCT:

a) the line perpendicular to $\overleftrightarrow{AB}$ through point C

C

A   B

b) the bisector of $\angle K$

K

c) a copy of $\angle S$

S

☐ (2) **TEST CHECKLIST**

compass
highligh-
ters

To be fully prepared for the Unit 1 test I have done the following (check all that apply)

☐ bought a compass
☐ completed lesson 1.1
☐ completed lesson 1.1b
☐ completed lesson 1.2
☐ completed lesson 1.3
☐ completed lesson 1.4
☐ completed lesson 1.5
☐ completed lesson 1.6
☐ completed lesson 1.7
☐ done homework for lesson 1.1
☐ done homework for lesson 1.1b
☐ done homework for lesson 1.2
☐ done homework for lesson 1.3
☐ done homework for lesson 1.4
☐ done homework for lesson 1.5
☐ done homework for lesson 1.6
☐ done homework for lesson 1.7
☐ got help from a friend with _____
☐ got help after school from Ms. Lomac with _____
☐ used my notes as flashcards for at least 5 minutes a day 5 days a week
☐ can independently demonstrate the SLO'S (learning outcomes) for each lesson