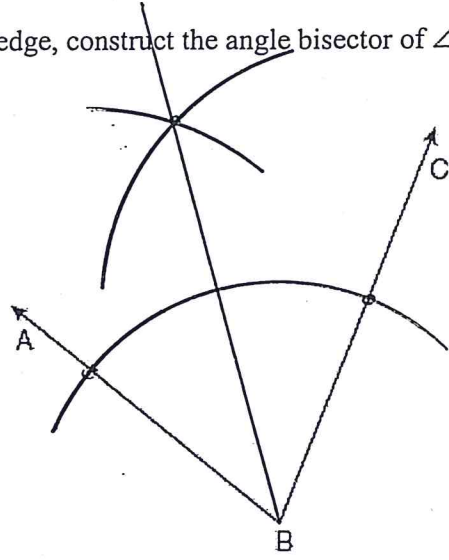Name _Schlansky_

Mr. Schlansky
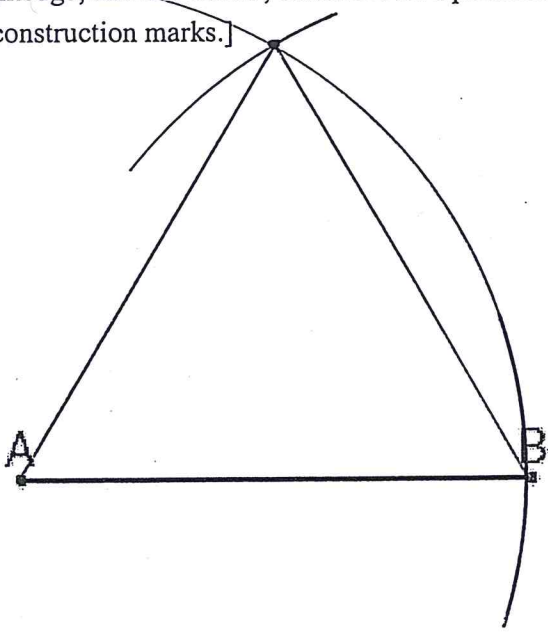
Date _____

Geometry

Constructions Review Sheet
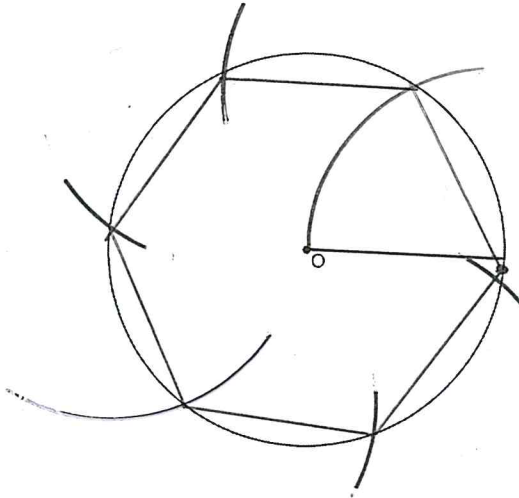
1. Using a compass and straightedge, construct the angle bisector of ∠ABC shown below. [Leave all construction marks.]
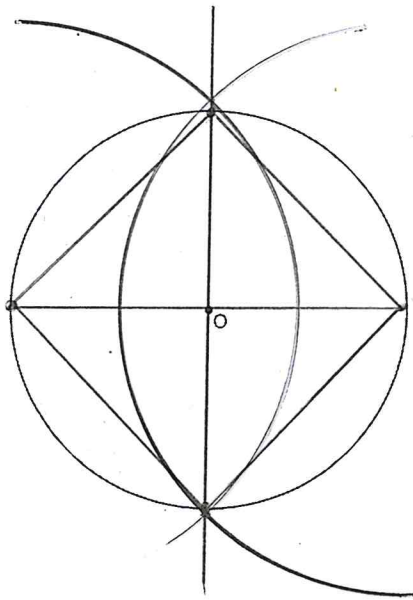

2. Using a compass and straightedge, and $\overline{AB}$ below, construct an equilateral triangle with all sides congruent to $\overline{AB}$. [Leave all construction marks.]
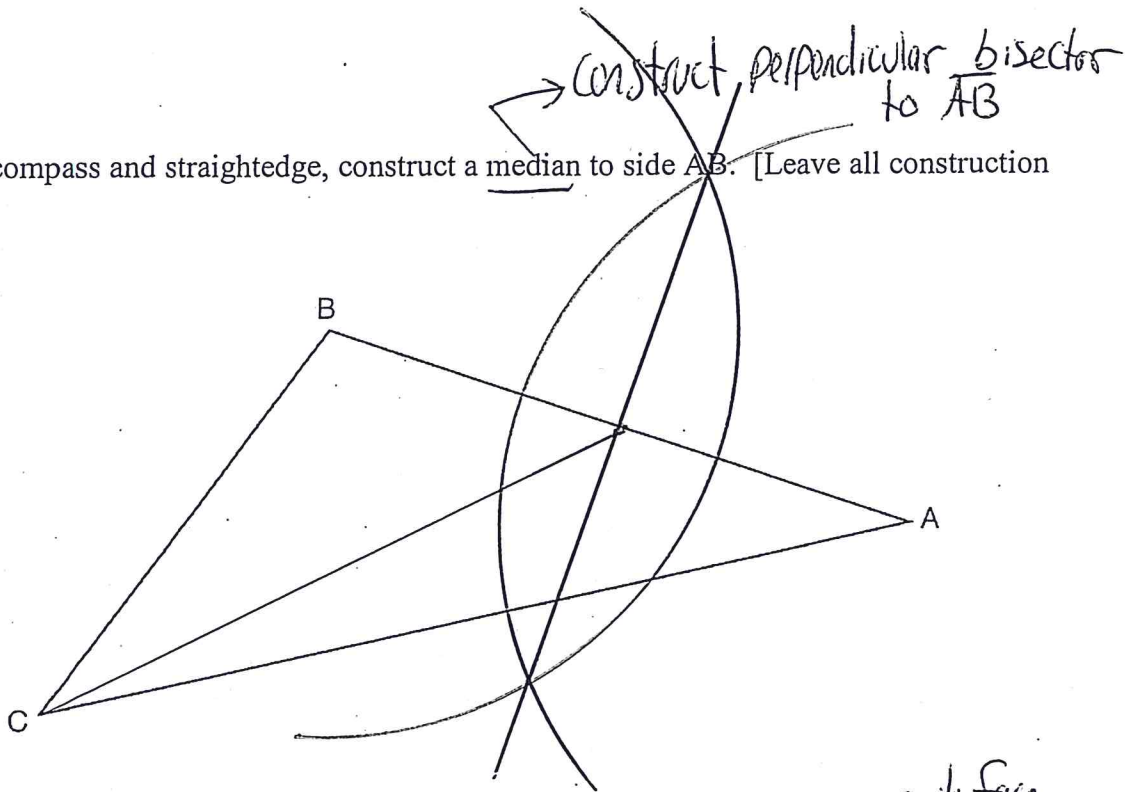
3. Using a straightedge and compass, construct a hexagon inscribed in circle O below. [Leave all construction marks.]

4. Using a straightedge and compass, construct a square inscribed in circle O below. [Leave all construction marks.]
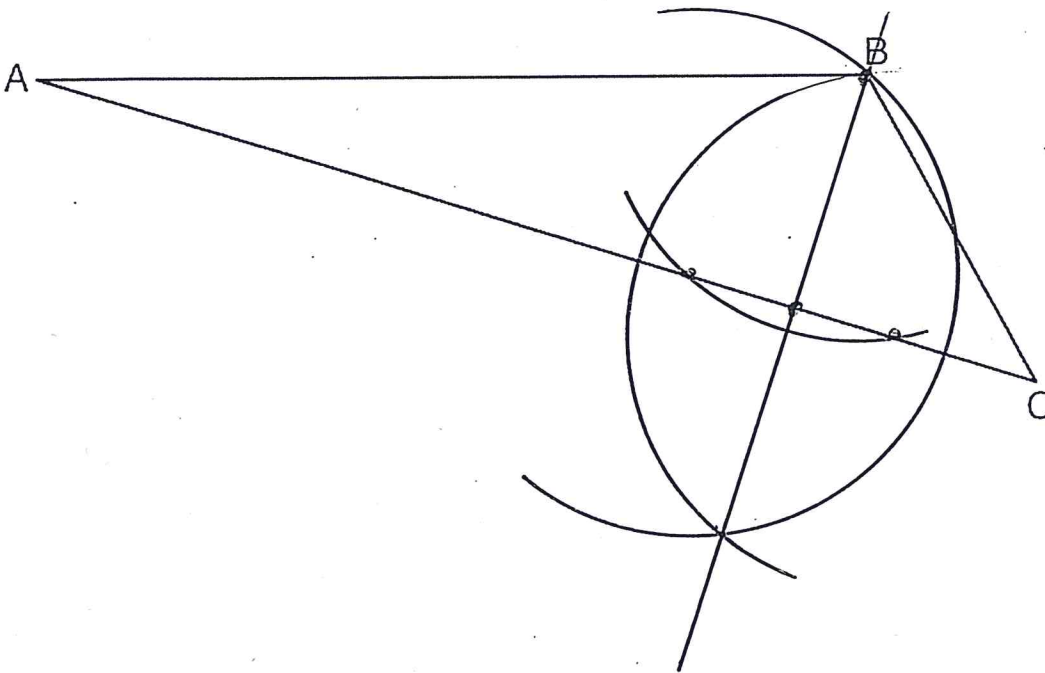
5. Using a compass and straightedge, construct a median to side AB. [Leave all construction marks.]
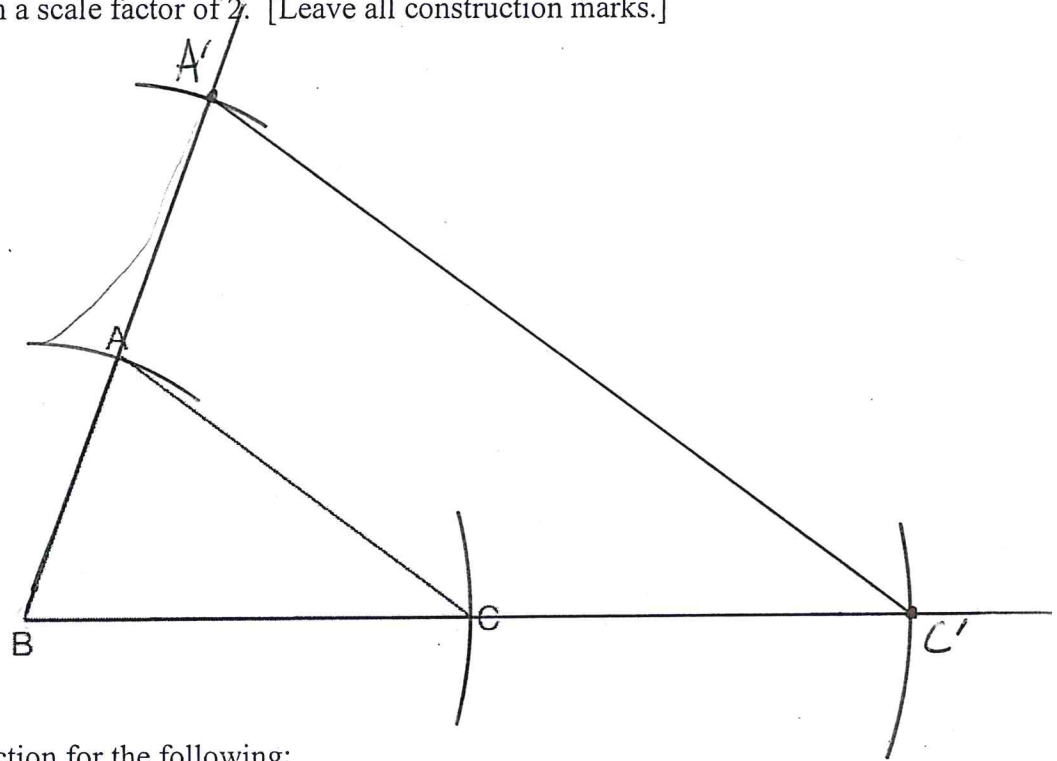
B

A

C

smily face

6. On the diagram of △ABC shown below, use a compass and straightedge to construct an altitude from B to side $\overline{AC}$. [Leave all construction marks.]

A

B

C

7. Triangle *ABC* is shown below. Using a compass and straightedge, construct the dilation of
△*ABC* centered at *B* with a scale factor of 2. [Leave all construction marks.]

8. Construct the line of reflection for the following: