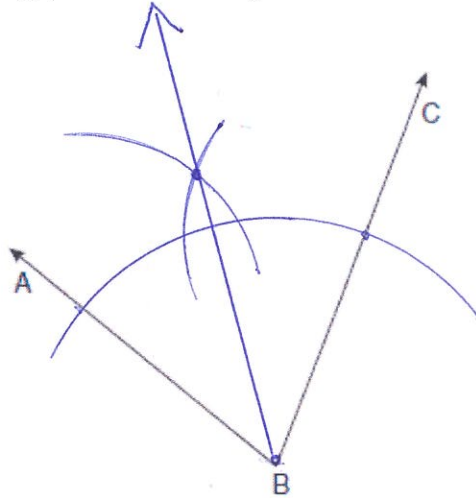


Name Schlansky  
Mr. Schlansky

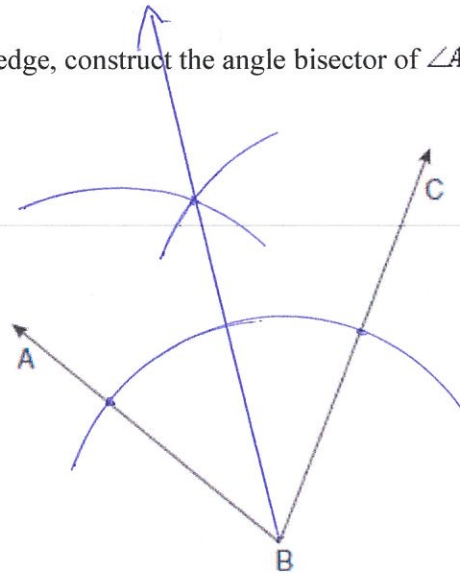
Date \_\_\_\_\_  
Geometry

## Constructions Regents Review

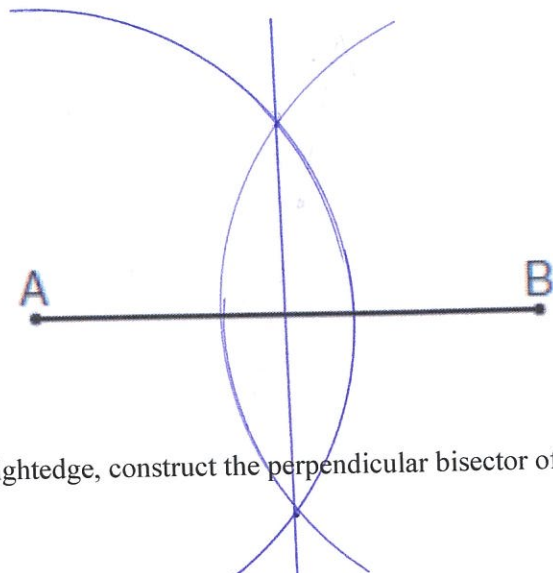
1. Using a compass and straightedge, construct the angle bisector of  $\angle ABC$  shown below. [Leave all construction marks.]



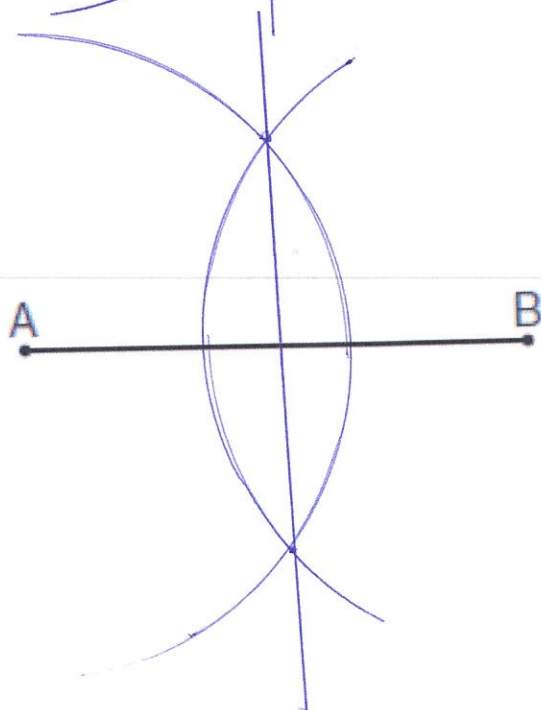
2. Using a compass and straightedge, construct the angle bisector of  $\angle ABC$  shown below. [Leave all construction marks.]



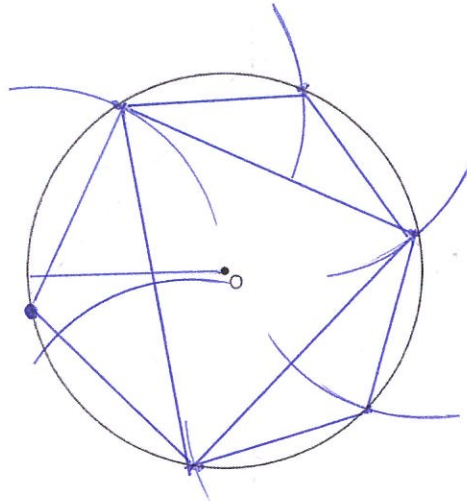
3. Using a compass and straightedge, construct the perpendicular bisector of  $\overline{AB}$  below. [Leave all construction marks.]



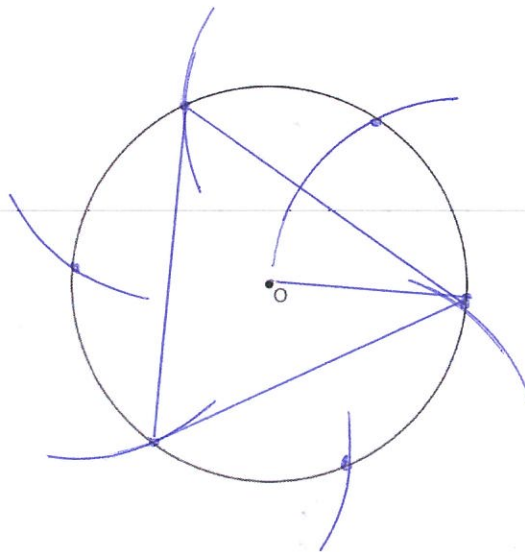
4. Using a compass and straightedge, construct the perpendicular bisector of  $\overline{AB}$  below. [Leave all construction marks.]



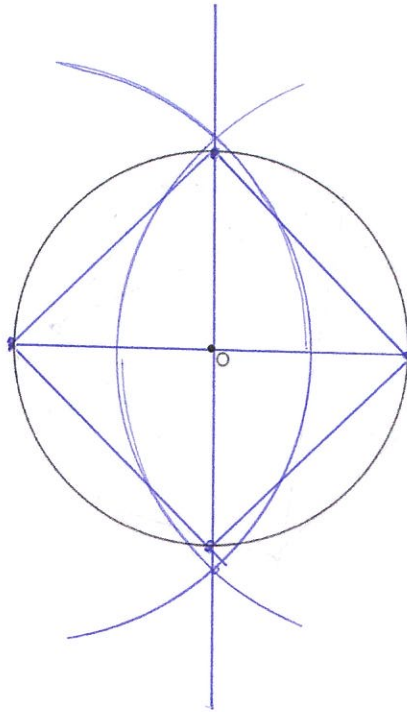
5. Using a straightedge and compass, construct a hexagon inscribed in circle  $O$  below. [Leave all construction marks.]



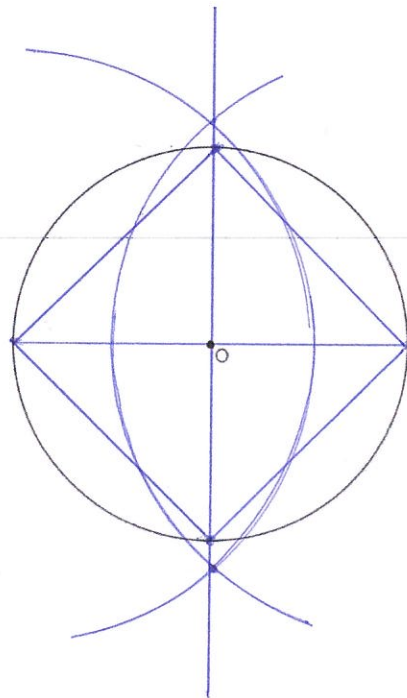
6. Using a straightedge and compass, construct an equilateral inscribed in circle  $O$  below. [Leave all construction marks.]



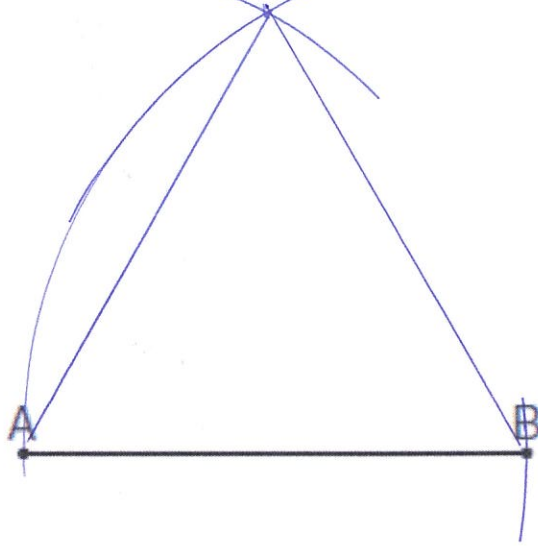
7. Using a straightedge and compass, construct a square inscribed in circle  $O$  below. [Leave all construction marks.]



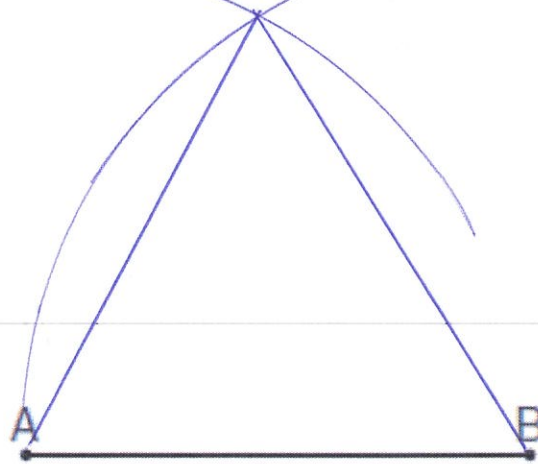
8. Using a straightedge and compass, construct a square inscribed in circle  $O$  below. [Leave all construction marks.]



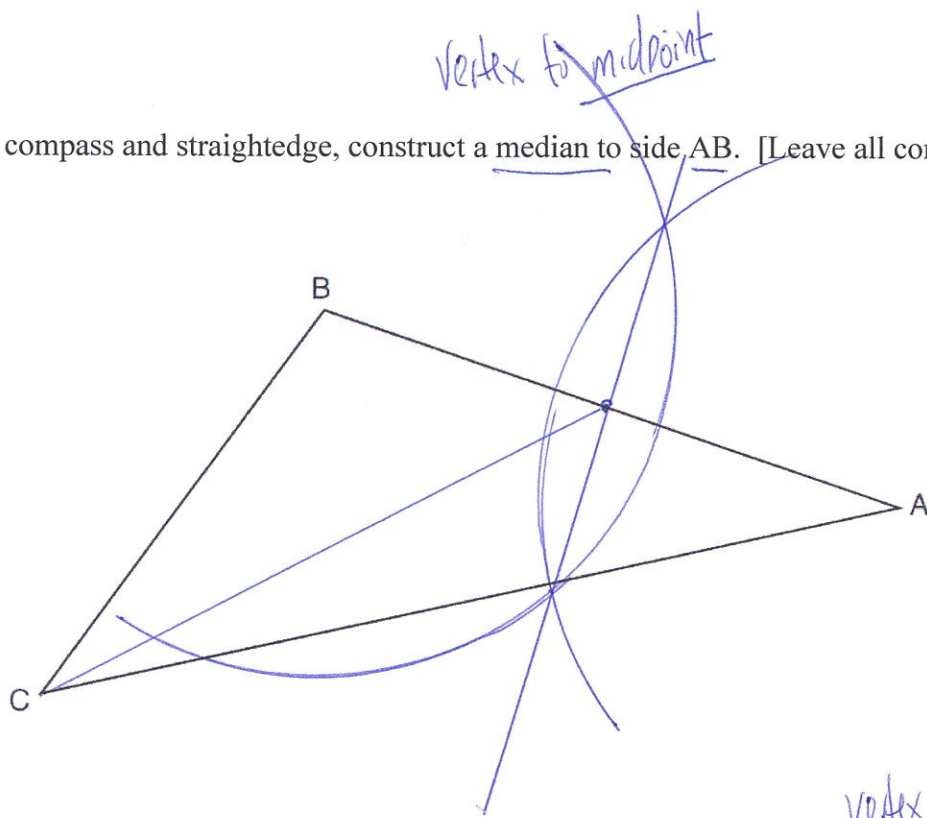
9. Using a compass and straightedge, and  $\overline{AB}$  below, construct an equilateral triangle with all sides congruent to  $\overline{AB}$ . [Leave all construction marks.]



10. Using a compass and straightedge, and  $\overline{AB}$  below, construct an equilateral triangle with all sides congruent to  $\overline{AB}$ . [Leave all construction marks.]

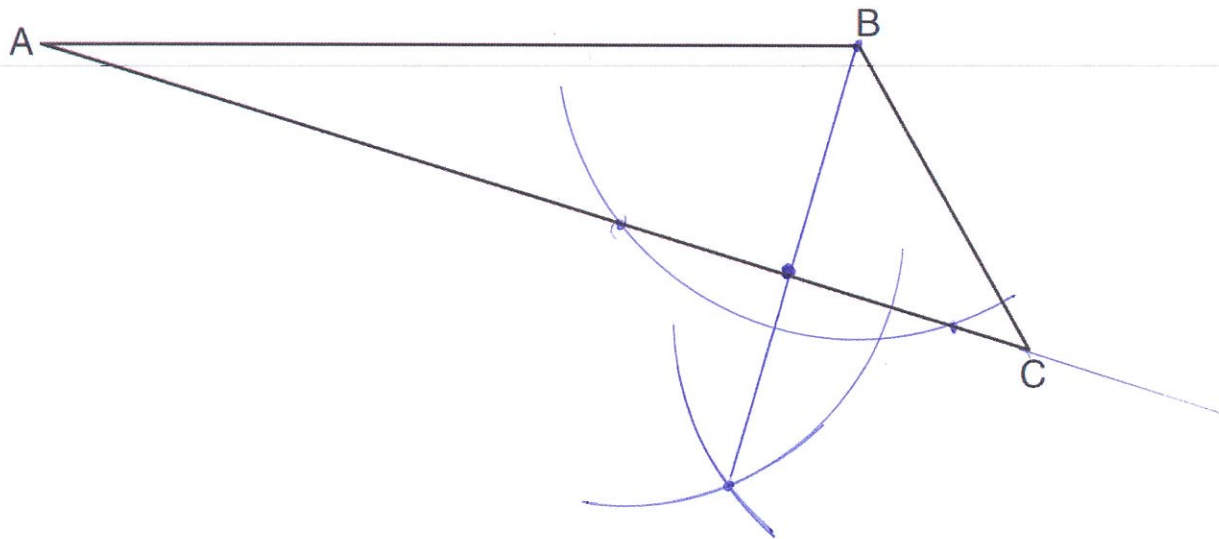


11. Using a compass and straightedge, construct a median to side  $\overline{AB}$ . [Leave all construction marks.]

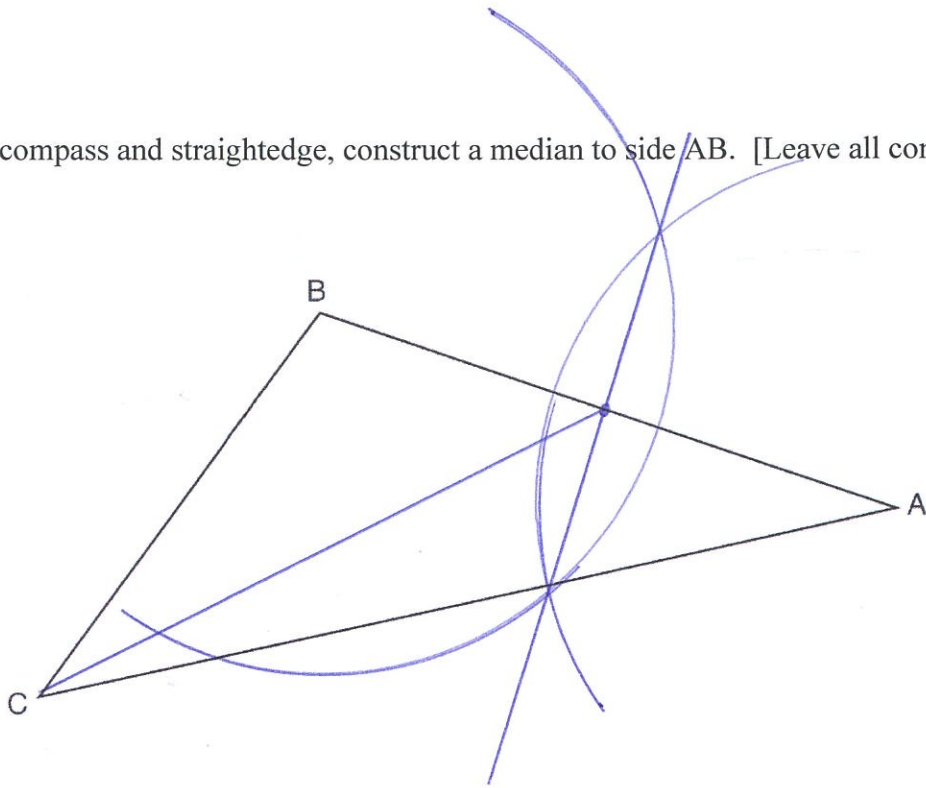


Vertex perpendicular  
to the base  
(simply face)

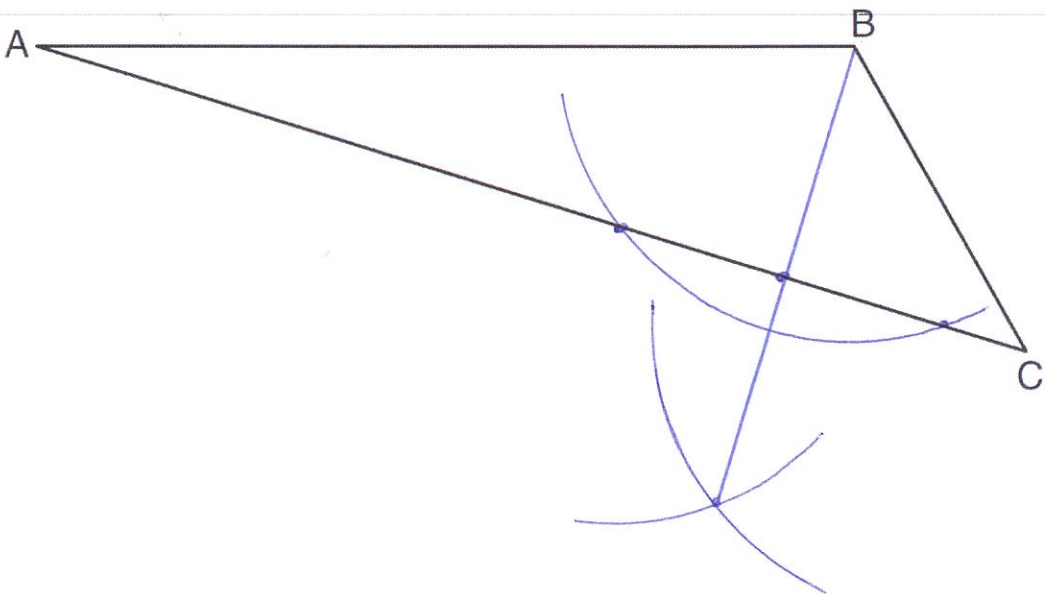
12. On the diagram of  $\triangle ABC$  shown below, use a compass and straightedge to construct an altitude from B to side  $\overline{AC}$ . [Leave all construction marks.]



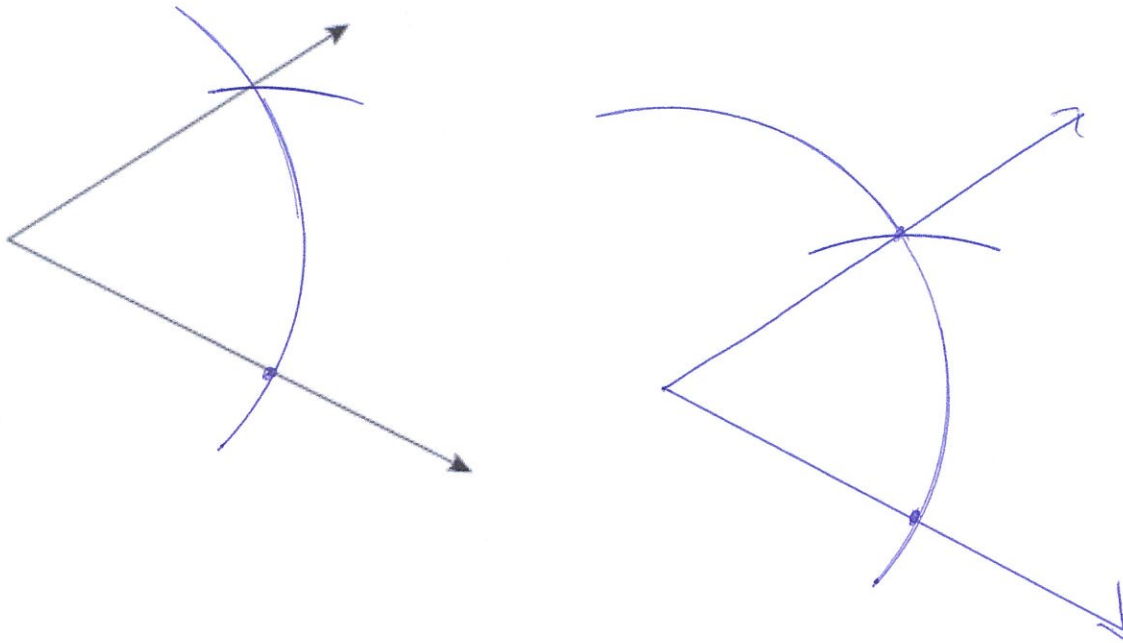
13. Using a compass and straightedge, construct a median to side  $AB$ . [Leave all construction marks.]



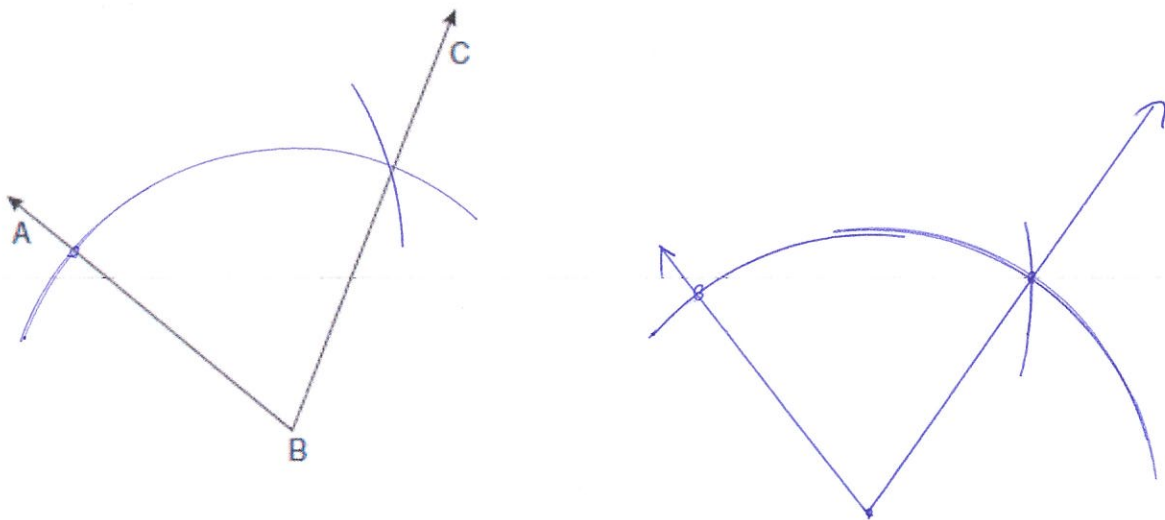
14. On the diagram of  $\triangle ABC$  shown below, use a compass and straightedge to construct an altitude from B to side  $AC$ . [Leave all construction marks.]



15. Using a compass and straightedge, copy the angle shown below. [Leave all construction marks.]

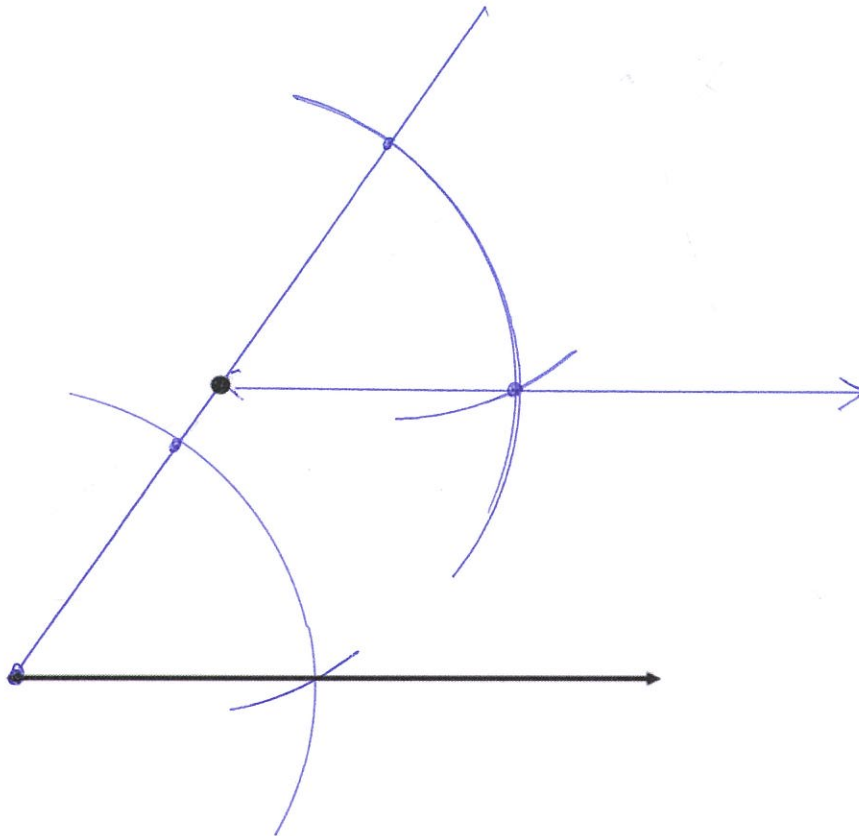


16. Using a compass and straightedge, copy the angle shown below. [Leave all construction marks.]

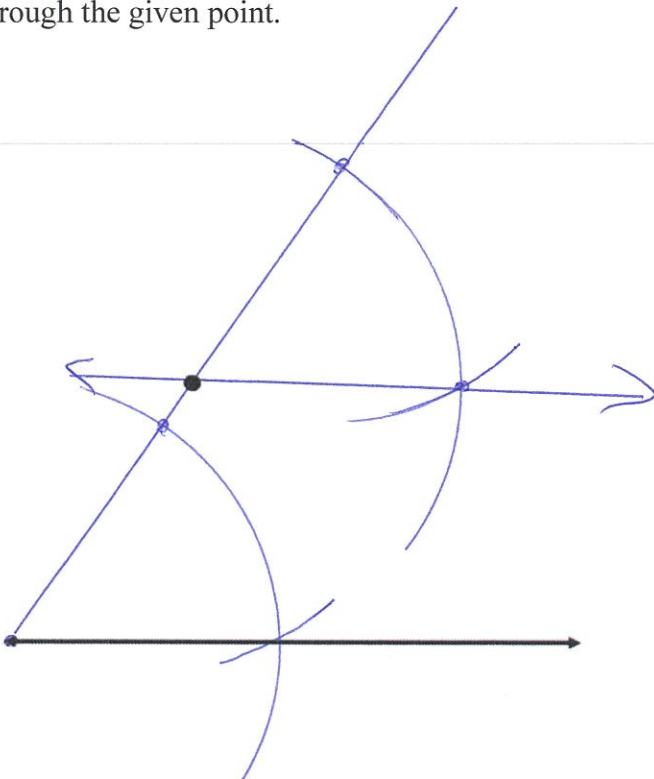




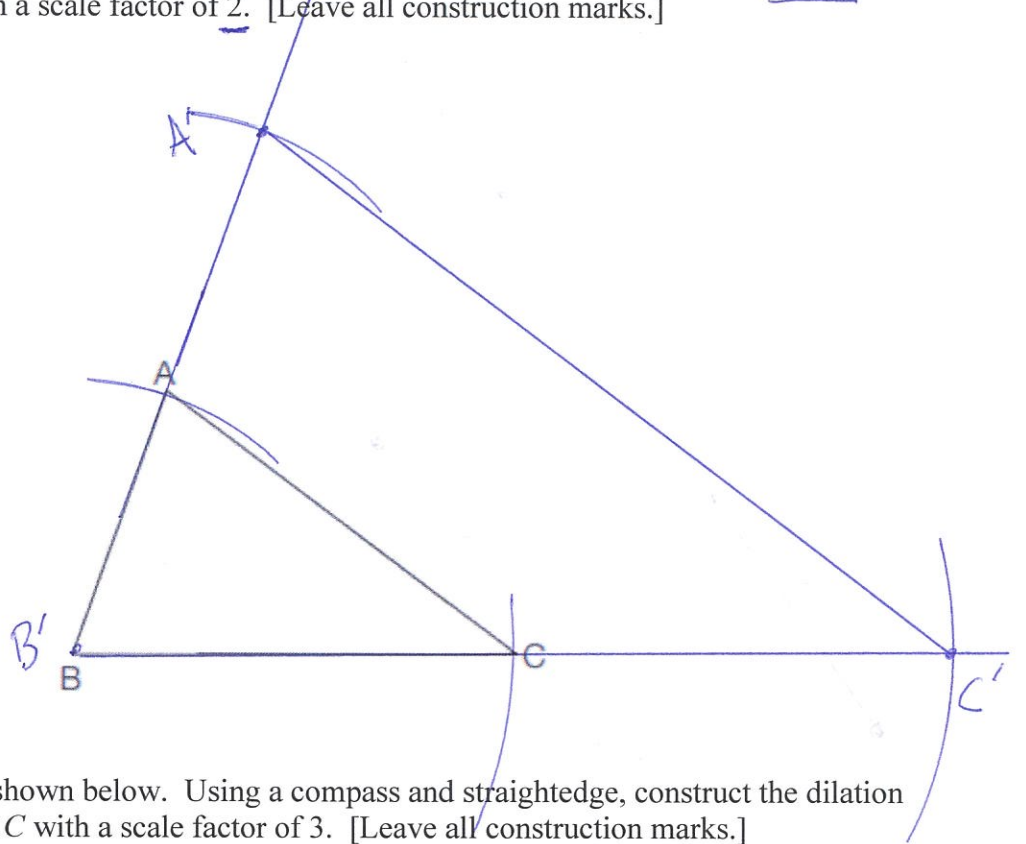
17. Using a compass and a straightedge, construct a line parallel to the given line that passes through the given point.



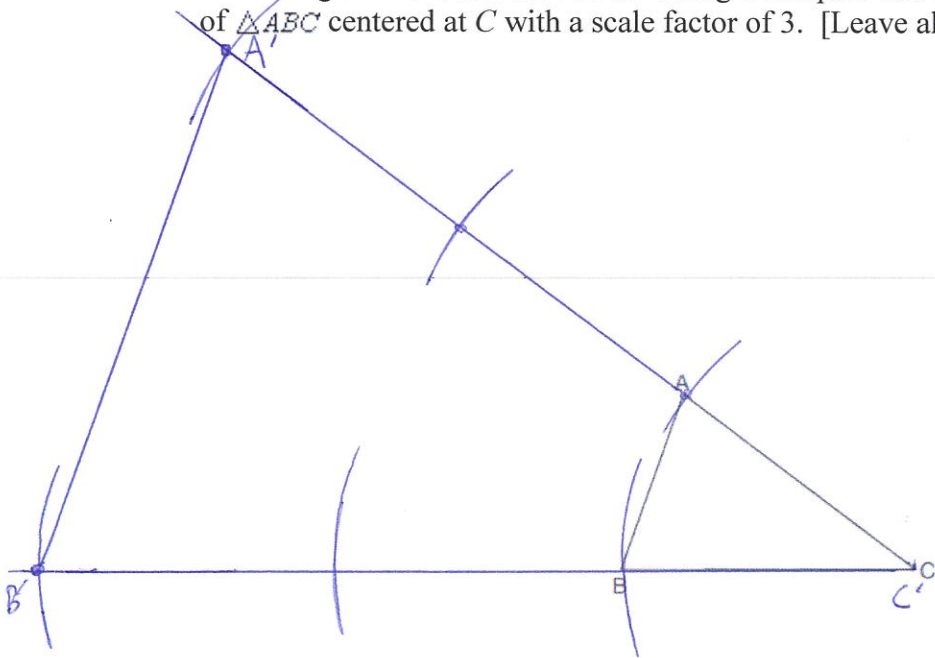
18. Using a compass and a straightedge, construct a line parallel to the given line that passes through the given point.



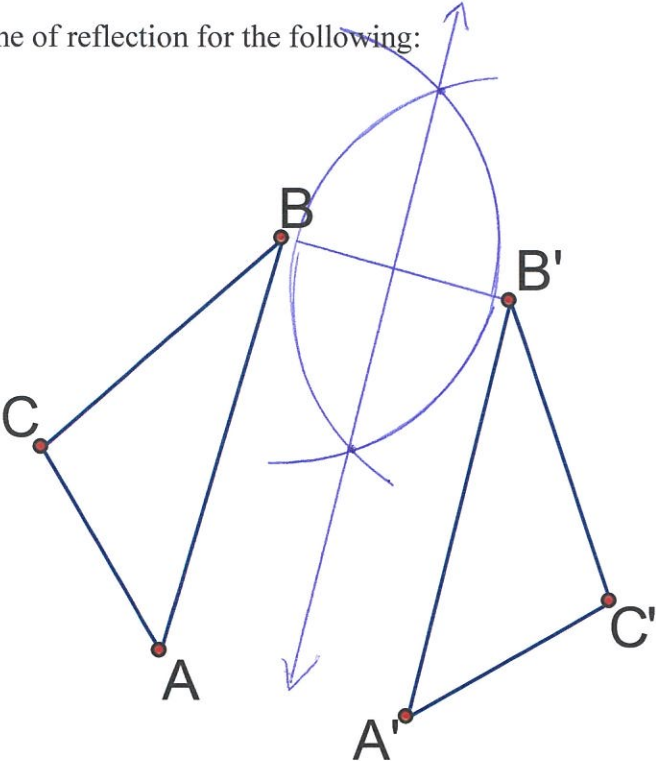
19. Triangle  $ABC$  is shown below. Using a compass and straightedge, construct the dilation of  $\triangle ABC$  centered at  $B$  with a scale factor of 2. [Leave all construction marks.]



20. Triangle  $ABC$  is shown below. Using a compass and straightedge, construct the dilation of  $\triangle ABC$  centered at  $C$  with a scale factor of 3. [Leave all construction marks.]



21. Construct the line of reflection for the following:



22. Construct the line of reflection for the following:

