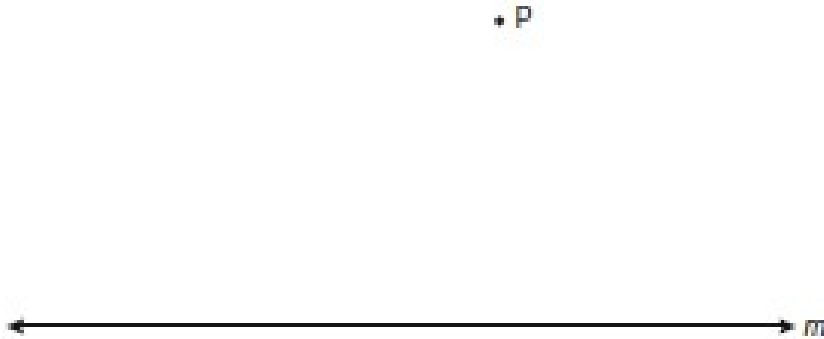


Name _____
Mr. Schlansky

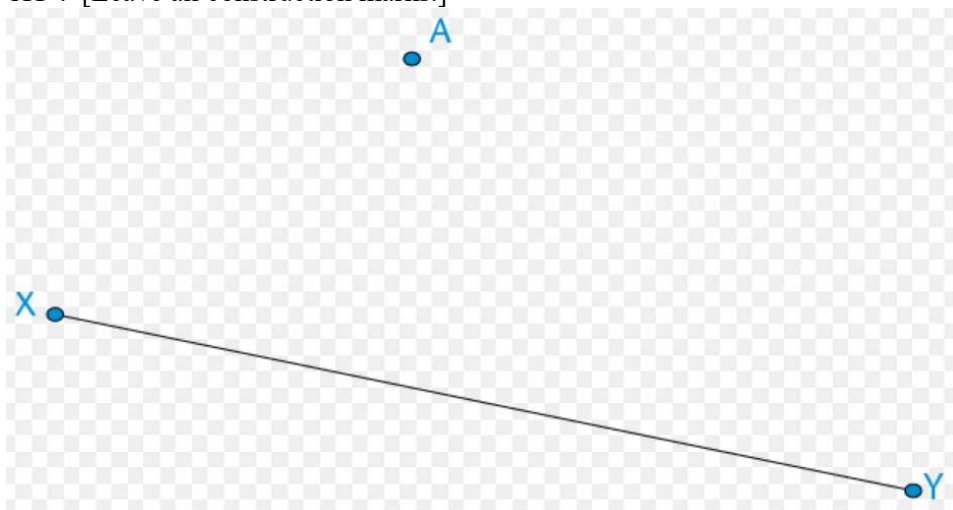
Date _____
Geometry

Constructions Using Perpendicular Bisector

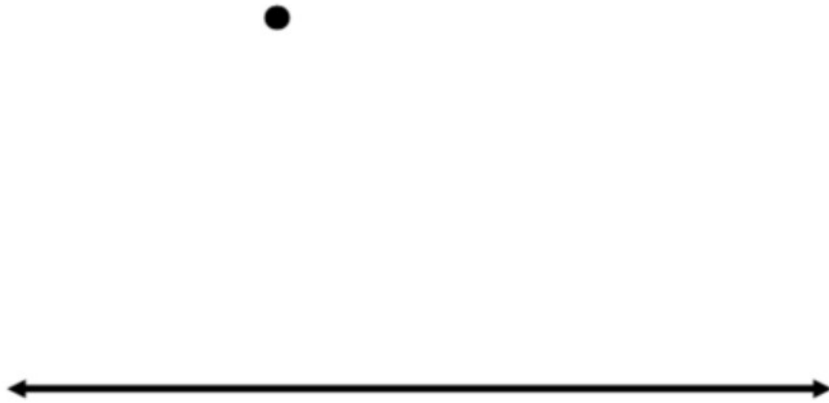
1. Using a compass and straightedge, construct a line that passes through point P and is perpendicular to line m . [Leave all construction marks.]



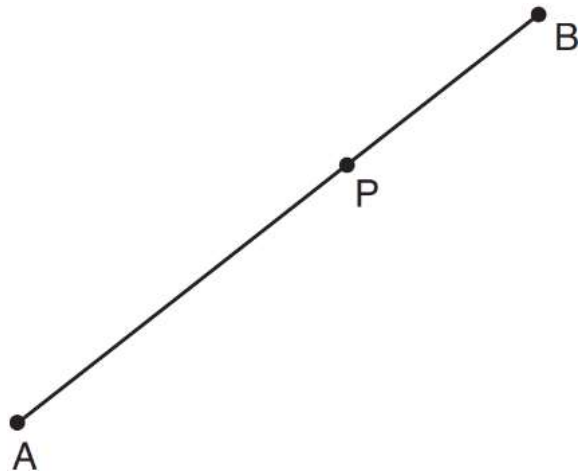
2. Using a compass and straightedge, construct a line that passes through point A and is perpendicular to \overline{XY} . [Leave all construction marks.]



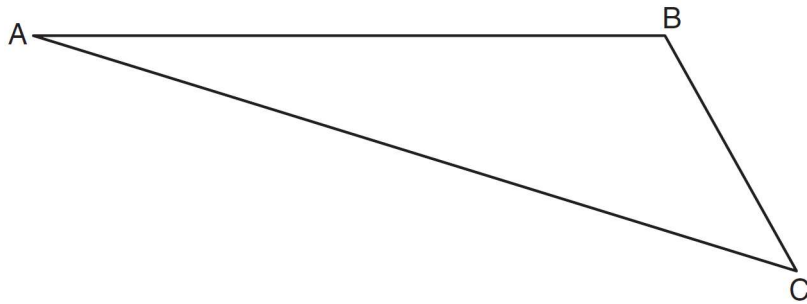
3. Using a compass and a straightedge, construct a line perpendicular to the given line that passes through the given point.



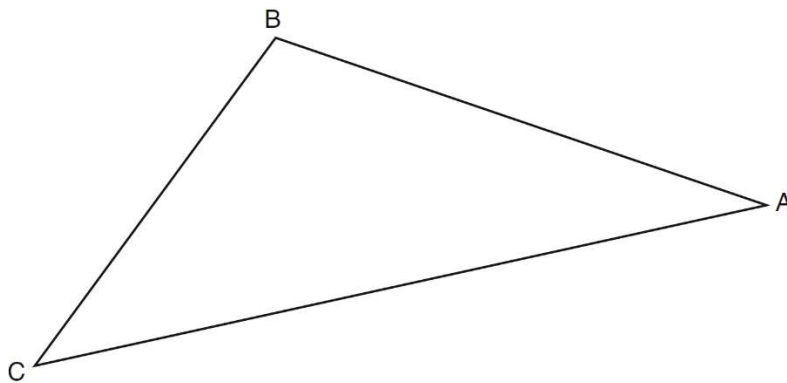
4. Using a compass and straightedge, construct a line perpendicular to \overline{AB} through point P .
[Leave all construction marks.]



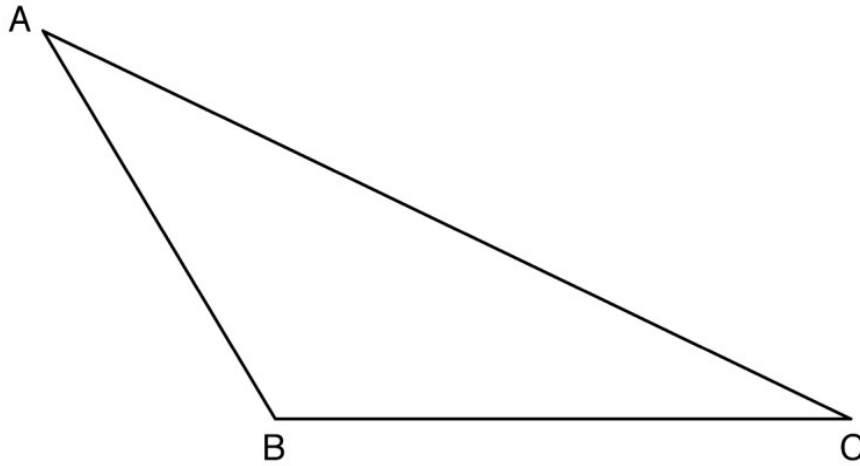
5. On the diagram of $\triangle ABC$ shown below, use a compass and straightedge to construct a median to side \overline{AC} . [Leave all construction marks.]



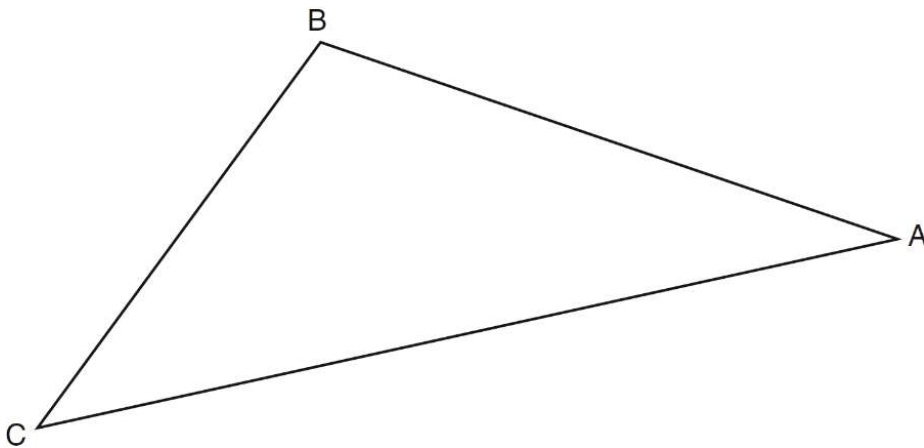
6. Using a compass and straightedge, construct a median to side BC. [Leave all construction marks.]



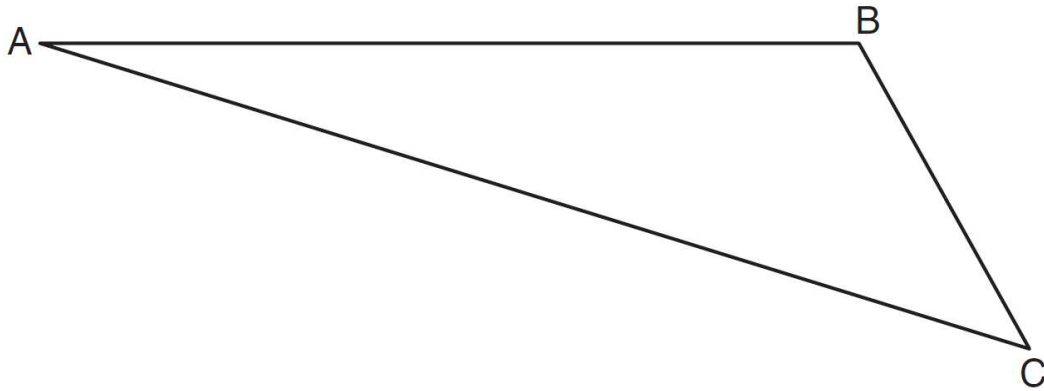
7. On the diagram of $\triangle ABC$ shown below, use a compass and straightedge to construct a median to side \overline{AC} . [Leave all construction marks.]



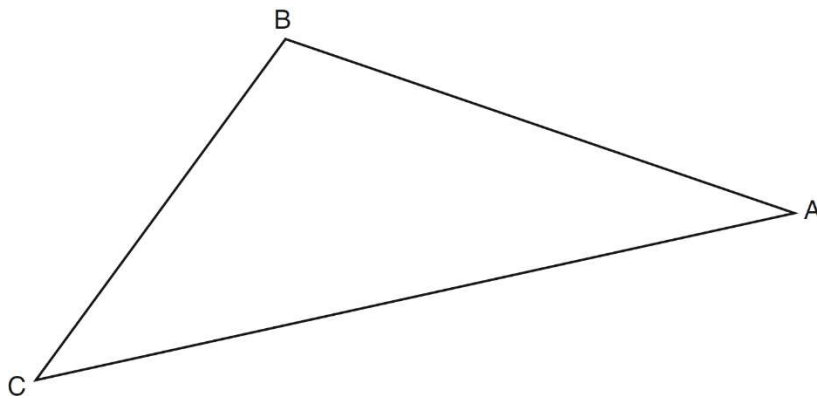
8. Using a compass and straightedge, construct a median to side AB. [Leave all construction marks.]



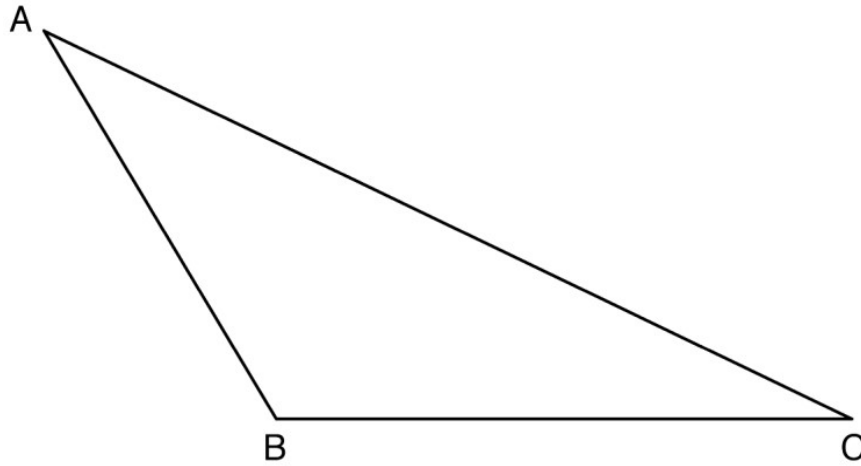
9. On the diagram of $\triangle ABC$ shown below, use a compass and straightedge to construct an altitude from B to side \overline{AC} . [Leave all construction marks.]



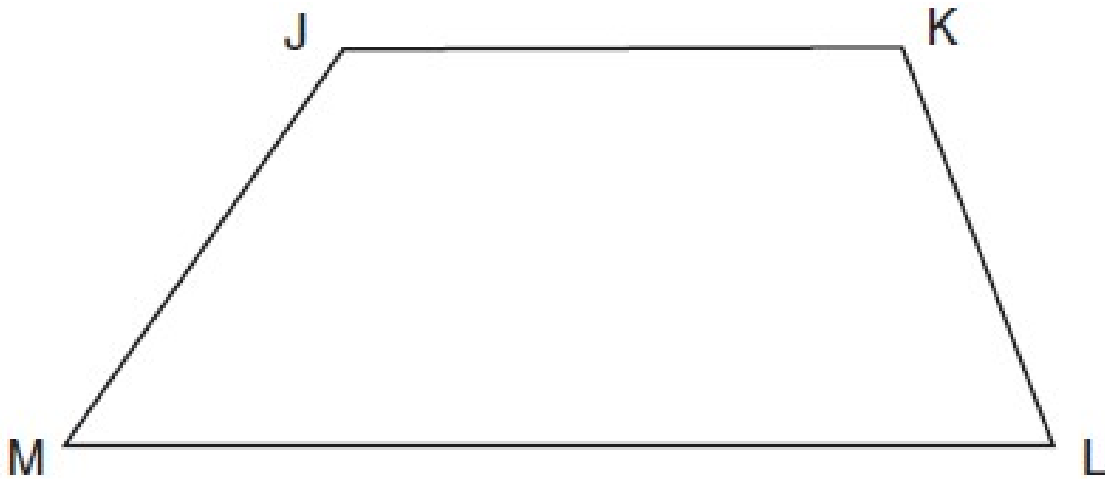
10. Using a compass and straightedge, construct an altitude from B to side AC. [Leave all construction marks.]



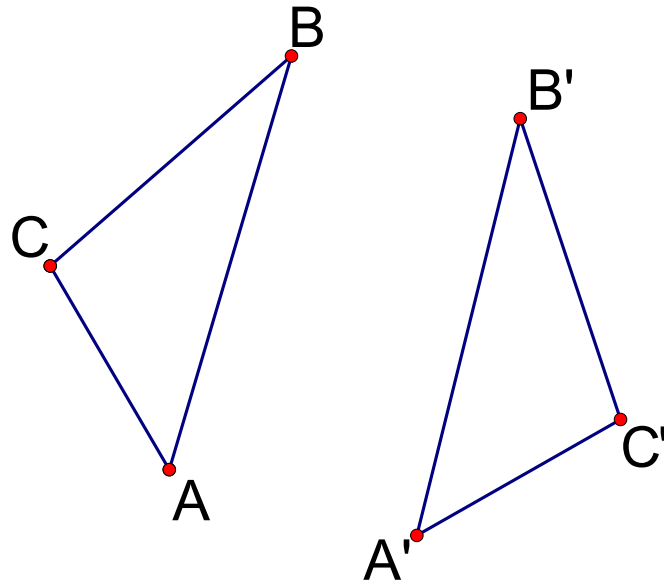
11. On the diagram of $\triangle ABC$ shown below, use a compass and straightedge to construct an altitude to side \overline{AC} . [Leave all construction marks.]



12. Given: Trapezoid $JKLM$ with $\overline{JK} \parallel \overline{ML}$
Using a compass and straightedge, construct the altitude from vertex J to \overline{ML} . [Leave all construction marks.]



Find the line of reflection for each of the following sets of diagrams
13.



14.

