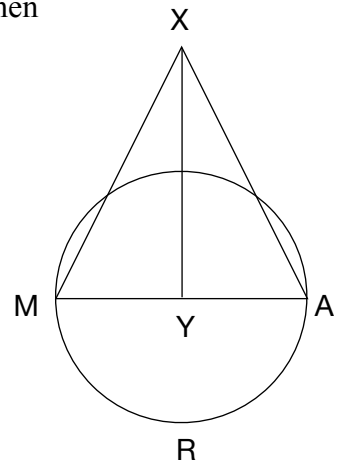


Lesson 11: Midterm Study Guide

- Definitions, axioms, postulates
- Labeling
- Propositions
 - Proposition 1.2 - know the construction and proof.
 - Remember to end proofs with Q.E.D. or Q.E.F.
 - Conclusions of proofs - using them in other proofs
- Proofs and Word Problems

Practice Problems

1. Name the triangles, line segments, angles, and circle. What angles are sums of others?
2. Prove the following: If point Y is the center of circle MAR and $\overline{XY} \perp \overline{MA}$, then $\triangle MXY = \triangle AXY$.



3. Name the triangles, line segments, and angles. What angles are sums of others?
4. If $\triangle AFE$ is an isosceles triangle and $\overline{BF} = \overline{DE}$ then
 - a. $\triangle FCE$ is an isosceles triangle
 - b. $\angle BFC = \angle DEC$

