Module 5/6 Test Study Guide
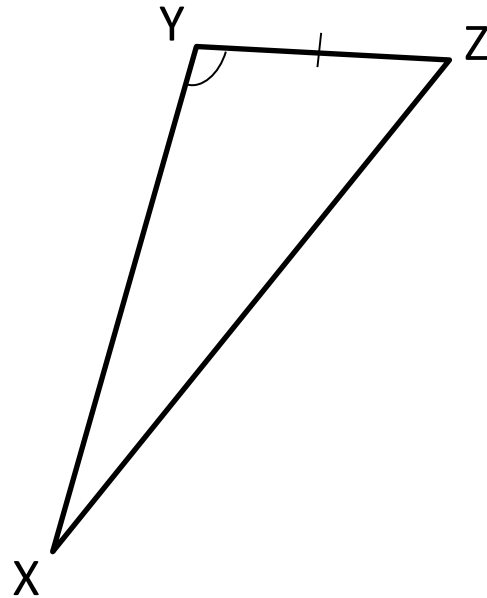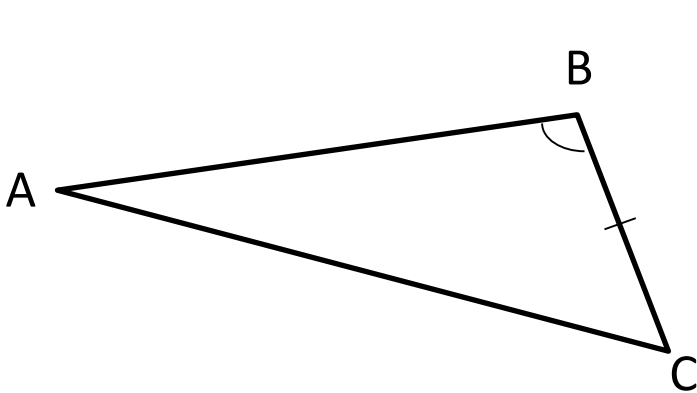
Terms to know:

Congruence Theorems/Postulates/Definitions

ASA, SAS, SSS, AAS, HL
Vertical Angles are Congruent
Alternate Interior Angles are Congruent
Corresponding Angles are Congruent
CPCFC (Corresponding Parts of Congruent Figures are Congruent)
Definition of a Midpoint
Definition of a Bisector

Properties of Congruence

Reflexive Property
Substitution Property
Transitive Property

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1. State what additional information would prove triangle ABC and XYZ congruent for each theorem/postulate:

ASA _____

SAS _____
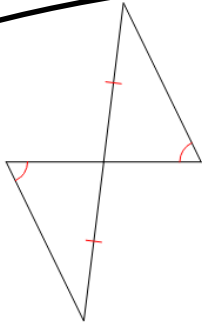
SSS _____

AAS _____

2. If the measure of segment AB = (25x + 10) and the measure of segment XY = 22x + 23, what value of 'x' would make the two triangles congruent by SAS?
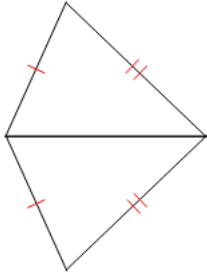
3. State by what postulate/theorem the triangles are congruent. Then state what angle congruence theorem and/or property of congruence makes the triangles congruent.
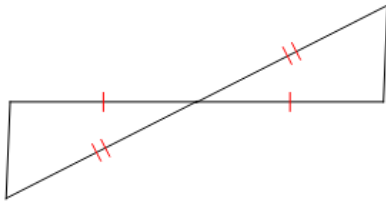
Example:

Congruence Theorem: AAS

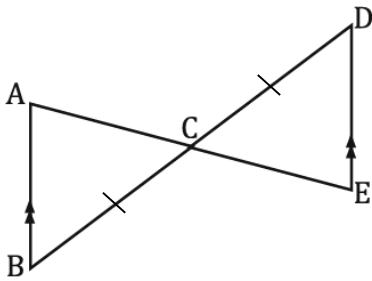**Angle Congruence or Congruence Property?** Vertical Angles

Congruence Theorem: _____
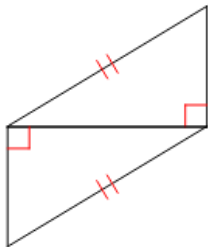
Angle Congruence or Congruence Property? _____

Congruence Theorem: _____
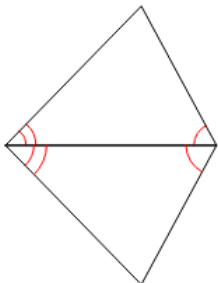
Angle Congruence or Congruence Property? _____

Congruence Theorem (there are 2 right answers!): _____

Angle Congruence or Congruence Property (more than 1)?

_____

Congruence Theorem: _____

Angle Congruence or Congruence Property? _____

Congruence Theorem: _____

Angle Congruence or Congruence Property? _____