

# Honors Geometry

## Notes Section 1.2

### Use Segments and Congruence

#### VOCABULARY

**Postulates (Axioms):** something assumed to be true.

**Coordinate:** a # that corresponds to a point

**Distance:**  $AB$ ; length between points

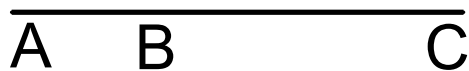
**Congruent Segments:** segments of equal length

**Congruent:** 

**POSTULATES / THEOREMS / COROLLARIES**

**Postulate 1 (Ruler Postulate)** \_\_\_\_\_

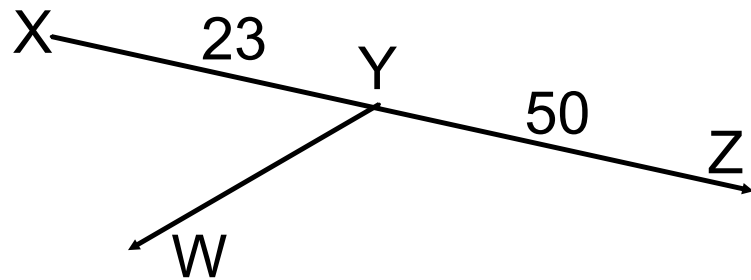
**Postulate 2 (Segment Addition)** \_\_\_\_\_



**EXAMPLES**

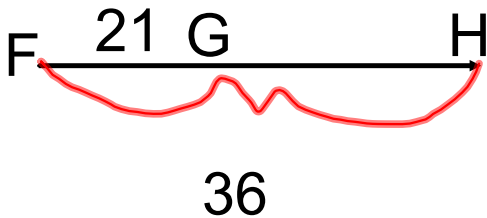
- 1. Use a ruler to measure the length of the segment.**

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**2a) Use segment addition to find XZ.**

**b) Write an equation and solve to find GH.**



**3a) Plot J(-3,4) , K(2,4) , L(1,3) and M(1,-2)**

**b) Determine if  $\overline{JK} \cong \overline{LM}$**

