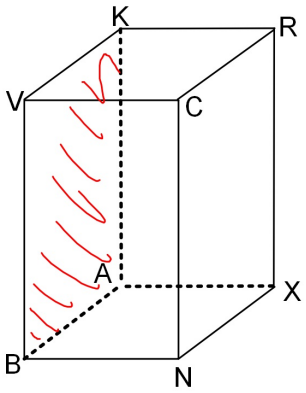
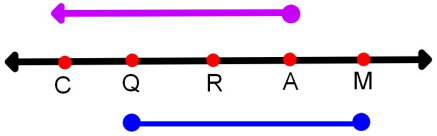


Name a line that is parallel to plane AKV.

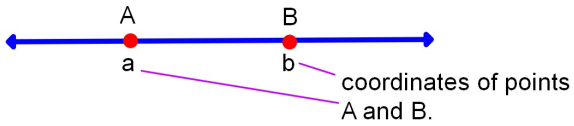
$\overline{CX}$, $\overline{RN}$ $\overline{NX}$ $\overline{CN}$ $\overline{RX}$ $\overline{CR}$

A line is parallel to a plane if...
They never intersect.



1. Name the line. $\overleftrightarrow{CM}$
2. Name the purple ray. $\overrightarrow{AC}$
3. Name the blue segment. $\overline{QM}$
4. Name a ray that is opposite $\overrightarrow{RM}$. $\overrightarrow{RC}$

Measuring segments:



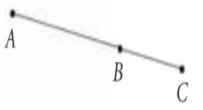
AB without any symbol over the letters means the length of $\overline{AB}$

Length of $\overline{AB}$ = |a - b| or |b - a|

Congruent segments have the same length.

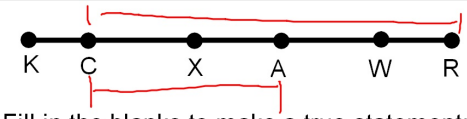
Postulate 1-6 **Segment Addition Postulate**

If three points *A*, *B*, and *C* are collinear and *B* is between *A* and *C*, then $AB + BC = AC$.



$\overline{AB} + \overline{CD} = \overline{AD}$

$\overline{AC} + \overline{BD} = \overline{AD}$



Fill in the blanks to make a true statement:

1. $\overline{XA} + \overline{AR} =$ $\overline{XR}$

2. $\overline{KX} +$ $\overline{XW}$ $= \overline{KW}$

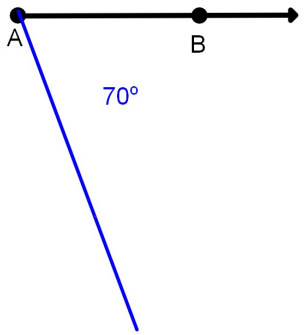
3. $\overline{CA} +$ $\overline{AR}$ $= \overline{CR}$

4. True or False: $\overline{KA} + \overline{XR} = \overline{KR}$ F

Section 9-3: Rotations

Use a protractor and a ruler to do the following.

1. Make $\angle A = 70°$ so that it is measured CW from $\overrightarrow{AB}$.



2. Make $\angle C = 120°$ so that it is measured CCW from $\overrightarrow{CD}$.