

Name:

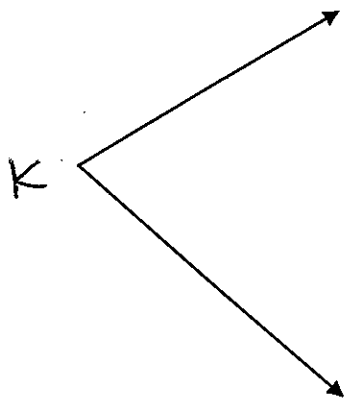
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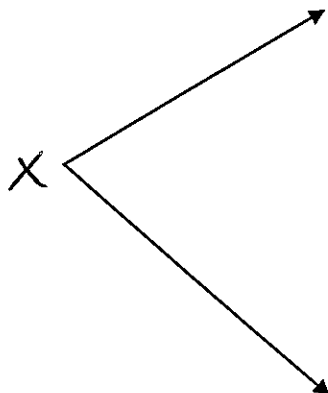
HW #3-4

1. Complete the following problems and submit online: pg. 142 #1, 2, 4, 6, 7, 8, 14, 15, 16, 17, 30, 42
2. Use your compass for the following constructions (review from Chapter 1! Refer to notes or watch the YouTube links posted on the website ☺)

- a. Construct an angle congruent to $\angle K$ on the ray given.



- b. Construct the angle bisector of $\angle X$.



3. Write a flow chart proof. Try writing the entire proof here yourself at first – challenge yourself! If you need it, reference the structured flow chart on the back side ☺

Given: $\angle 1 \cong \angle 2$, $\angle 3 \cong \angle 4$

Prove: $\overline{AB} \parallel \overline{CD}$

