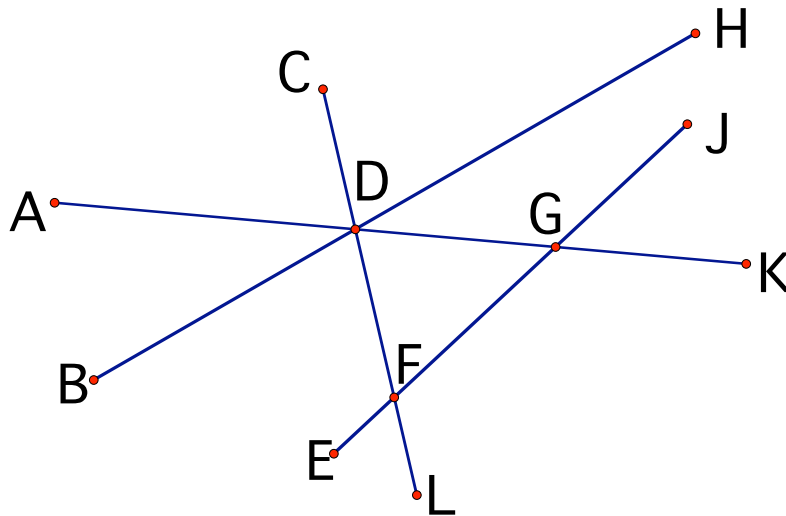# tcore 122: Quiz 1

1. [4] TRUE/FALSE: Refer to the diagram above when answering the following questions. If true, circle T and explain briefly why the statement is true. Otherwise, circle F.

   T   F D is on the line segment $\overline{AK}$

   T   F $\angle DGJ$ has the same measure as $\angle EGK$

   T   F   The measure of $\angle ADC$ plus the measure of $\angle CDH$ is 180°.
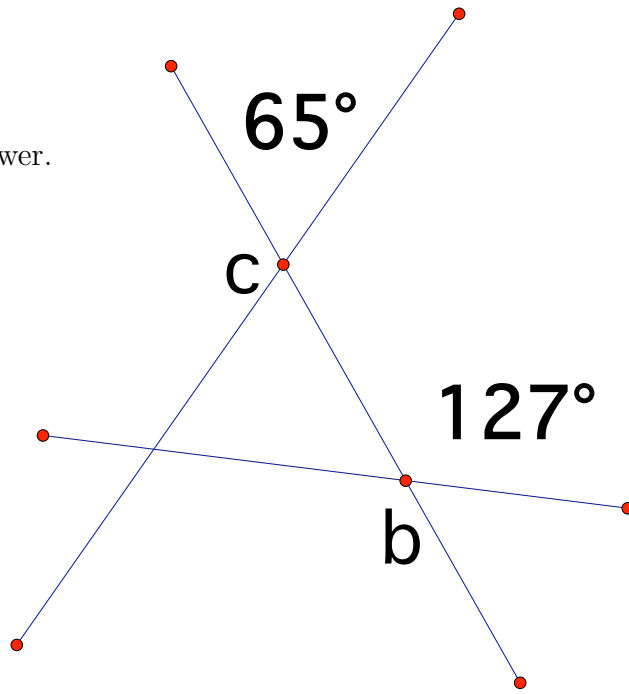
   T   F   Given that statements "If I eat a big lunch, then I get sleepy in the afternoon", and "I took an afternoon nap" are true, we can conclude that "I ate a big lunch."

2. [3] (Lang §2.1) Identify three symbols or terms that Lang introduces and uses to communicate origami folds to the reader.

3. [3] Use the diagram below to find the measure of each of the following. Either show work or justify your answer.

   (a) $\angle c$.

   (b) $\angle b$.

65°

c

127°

b

4. [3] (Technical Communication) Describe three characteristics of technical communications that is not a characteristic of expository writing.

5. [3] (TED talk) Lang claimed you can let "dead people do you work for you." What particular results from dead people was Lang interested in and how did it help with the design of new origami shapes?

6. [4] Make at least two arguments to defend or argue against Kary Mullis' declaration that "math is not science".