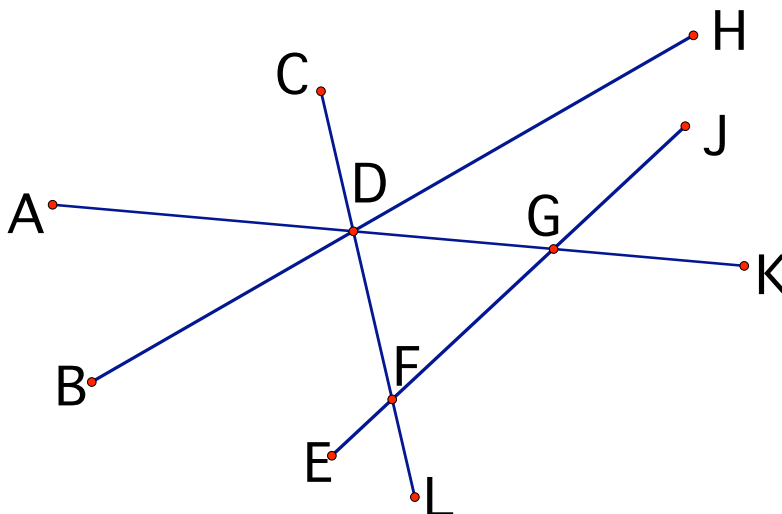


# tc core 112: Quiz 1



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 The point  $C$  is on the ray  $\overrightarrow{FD}$

T F  $\angle ADB = \angle ABD$

T F  $\angle ADB$  has the same measure as  $\angle HDG$

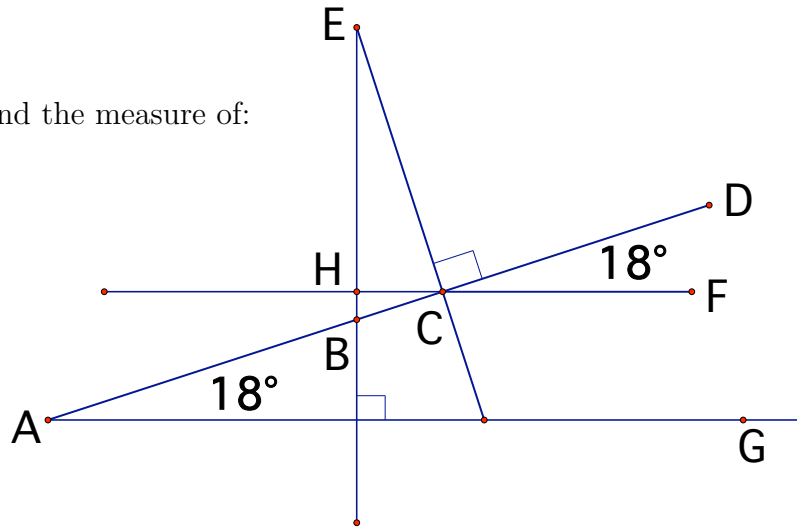
T F If you miss class, you are still responsible for the information covered on that day.

2. [4] Use the diagram below to find the measure of:

(a)  $\angle ACH$ .

(b)  $\angle HCE$ .

(c)  $\angle ACF$ .



3. [3] (Wheater §1.3) Write the converse to the following conditional statement. Determine the truth value of both conditional statements.

“If an object is hot, then the object is on fire.”

4. [3] (Lang §2.1) Name three folds that Lang introduced in Section 2.1 (your readings).

5. [3] (TED talk) Name three things in the “real world” that uses origami.

6. [3] (Okasha) Evaluate the following definition for a scientist:

“Scientists use experiments to test falsifiable theories to investigate the world.”