

Philosophy 500 — Quiz #3. May 19.

Name: _____

Grade: / 10

A. Using the key given, translate each of the following sentences and draw a tree diagram for it. (2 pt. each)

A: Anna is a comedian.

C: Carla is a comedian.

E: Erik is a writer.

1. Unless Erik is a writer, Anna and Carla aren't both comedians.
2. Erik is a writer if Anna isn't a comedian, but either way Carla isn't a comedian.
3. Anna is a comedian only if Carla is a comedian, and Erik is a writer if at least one of them is a comedian.

B. Give an example of each of the following. (2 pts. each)

4. Sentences A and B such that $A \vee B$ is a tautology, but $A \rightarrow B$ is contingent.
5. Sentences A , B , and C such that $\{A, B, C\}$ is inconsistent and $A, B \therefore C$ is valid.