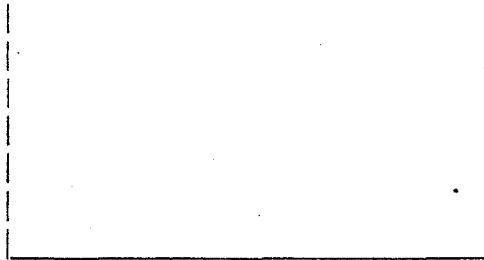


**Graphing and Verbalization:
Complex Exercises**

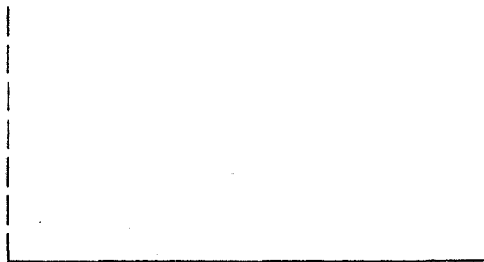
1 Draw and clearly label a graph that accurately represents the variables and their relation described in each statement below. Also:

- A) Identify the independent variable, specifying it as a true IV or a subject IV
- B) Identify the dependent variable
- C) Judge whether the study could have been an experimental design
- D) Judge whether the design was a between-subject (BS), within-subjects (WS), or potentially either (PE).
- E) Indicate whether an interaction between the IVs is present

a. Detecting a faint light while forming a mental image is harder when the image is visual than when it is auditory, while detecting a faint tone is harder when the image is auditory than when it is visual.



b. Poor readers do just as well as good readers on easy material, but as the difficulty increases, poor readers do progressively worse than good readers.



b. Older children outperform younger children on logical reasoning tests, but particularly when the premises in those tests are false than true (e.g., all dogs meow)



2. For each of the following graphs, identify the variables and describe their relations in words. For each graph:

- A) Identify the independent variable, specifying it as a true IV or a subject IV
- B) Identify the dependent variable
- C) Verbally describe the relation among the variables
- D) Judge whether the study could have been an experimental design
- D) Judge whether the design was a between-subject (BS), within-subjects (WS), or potentially either (PE).

