7. Complete the following homework assignment prior to Meeting #11:

A. Study our notes from Meeting #10 ; comprehend Jim's sample responses to the Quiz #9 prompts that are posted on *Canvas*.

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B. Comprehend the entry from Line #03Eii–v from our *Glossary* document.

C*. For each of the following multiple-choice prompts, select the one best response that either answers the question or completes the statement so that it is true; circle the lower-case letter in front of your choice:

i. Which one of the following is a *necessary* condition for measurement relevance?
   a) Scorer consistency
   b) Reliability
   c) Measurement usefulness
   d) Learning-level relevance
   e) Validity

ii. Which one of the following is a *sufficient* condition for measurement relevance?
   a) Scorer consistency
   b) Reliability
   c) Measurement usefulness
   d) Learning-level relevance
   e) Mathematical-content relevance

iii. Which one of the following is a *necessary* condition for reliability?
   a) Internal consistency
   b) Learning-level relevance
   c) Usability
   d) Pertinence to the intended content

iv. Which one of the following is a *sufficient* condition for measurement reliability?
   a) Validity
   b) Relevance
   c) Usability
   d) Internal consistency

v. Which one of the following is a *sufficient* condition for a measurement to be useful?
   a) Usability, internal consistency, scorer consistency, and relevance
   b) Relevance, reliability, validity, and scorer consistency
   c) Usability, content relevance, and learning-level relevance

vi. Which one of the following variables depends on the stated purpose of the measurement?
   a) Reliability
   b) Usability
   c) Usefulness
   d) Scorer consistency

vii. Which one of the following variables depends on the time it takes to administer a test?
   a) Content relevance
   b) Scorer consistency
   c) Usefulness

viii. By designing a measurement in a way to enhance its relevance (e.g., by using a measurement blueprint) and reliability (e.g., by carefully wording directions for prompts so that they are less likely to be misinterpreted), an experimenter is attempting to accomplish which one of the following regarding $D_o = D_t + D_E$:
   a) Solve for D_E
   b) Increase D_t
   c) Increase D_o
   d) Decrease D_E
   e) Decrease $\mid D_E \mid$

ix. By conducting a validation study of a measurement, a teacher is attempting to accomplish which one of the following regarding $D_o = D_t + D_E$
   a) Solve for D_E
   b) Increase D_t
   c) Increase D_o
   d) Decrease D_E
   e) Decrease $\mid D_E \mid$

D. Comprehend Jim's sample responses to the homework prompts that are posted on *Canvas*.