

3. (a) $CDG \rightarrow BD$ (augmentation),
 $BD \rightarrow A$ (given),
 $CDG \rightarrow A$ (transitivity),
 $A \rightarrow A$,
 $ABC \rightarrow ABC$ (augmentation),
 $ABC \rightarrow E$ (given),
 Therefore $CDG \rightarrow E$ (transitivity)
- (b) $\{CDG\}^+ = \{CDGBAE\}$
- (c) CDG