

*3. Find the language of the following grammar. (Homework 6)

$$G: S \rightarrow aA \mid bA \mid a \mid b$$

$$A \rightarrow aS \mid bS$$

ตอบ: $L = \{ w \mid w \in \{a, b\}^* \text{ and the number of a's in } w \text{ is even} \}$