1. If the List ADT is implemented using an array, then, an \texttt{get}(i) operation takes time \textit{O(1)} and an \texttt{add}(i, e) operation takes time \textit{O(n)}.

2. If the List ADT is implemented using a doubly-linked list, then an \texttt{get}(i) operation takes time \textit{O(n)} and an \texttt{add}(i, e) operation takes time \textit{O(n)}.

3. If the Positional List ADT is implemented using an array, then a \texttt{first}() operation takes time \textit{O(1)} and an \texttt{addAfter}(p, e) operation takes time \textit{O(n)}.

4. If the Positional List ADT is implemented using a doubly-linked list, then a \texttt{first}() operation takes time \textit{O(1)} and an \texttt{addAfter}(p, e) operation takes time \textit{O(1)}.

5. True or \underline{False} (Circle one): An \textit{iterator} is a software pattern that always provides random access to a data structure.