A PDA is by definition nondeterministic. Give:

1. a language that is accepted by a (nondeterministic) pushdown automaton but not by a deterministic one.

2. a language that is accepted by a deterministic pushdown automaton but not by a finite automaton.

3. a language that is accepted by a (nondeterministic) pushdown automaton but whose complement is not.

4. a language that is accepted by a deterministic pushdown automaton but whose complement is not.