Distinguishing Deductive Arguments from Inductive Arguments

For each of the following arguments, indicate whether it if best interpreted as deductive (**D**) or inductive (**I**) by circling the appropriate letter.

- 1. Most days in the year are weekdays (as opposed to weekends). There will come a day when a huge asteroid strikes the earth. Thus, the day a huge asteroid strikes the earth will likely be a weekday. (**D** / **I**)
- 2. That Delbert Johnson is not singer follows from the following facts: (a) all singers can carry a tune, and (b) Delbert Johnson cannot carry a tune. (D / I)
- 3. So far, no one has ever swam the Atlantic Ocean non-stop ---or even come remotely close to doing so. It is unlikely in the extreme, therefore, that anyone taking this test will swim the Atlantic Ocean non-stop. (**D** / **I**)
- 4. Dudley expects to get thirty miles to a gallon from the car he bought last week, but that's crazy. The car is 1975 *Belchfire* with twelve cylinders and a 480 horsepower engine, and it needs a tune-up. (**D** / **I**)
- 5. If a person's destiny were determined by the astrological sign under which he or she is born, then all persons born under a particular sign would have the same destiny. But homeless persons and millionaires, paupers and presidents are born under the same sign—i.e., people born under the same sign have strikingly different destinies. (**D** / **I**)
- 6. Leon and Leslie have five children, all boys. It is almost certain, therefore, that the child they are expecting will not be a girl. (**D** / **I**)
- Dusty Rhode drives a beat-up old Volkswagen, lives in a cheap apartment, and wears shabby, threadbare clothes. It's a good bet that Dusty does not have much money. (D / I)
- **8.** The Eiffel Tower is in London. London is in Germany, which is north of the Artic Circle. It follows that the Eiffel Tower is north of the Article Circle (**D** / **I**)
- 9. All cobras are poisons snakes, and all poisonous snakes are dangerous. It follows that all cobras are dangerous. (**D** / **I**)
- 10. The human mind has no size, no shape, and no spatial location. The human brain has size, shape, and spatial location. Two entities are identical only if they have all properties in common. Therefore, the human mind and the human brain are not identical. (**D** / **I**)