Class Design

Question 1. Given information provided in the diagram, which statement is true?

A. Lion and Tiger communicate with each other.
B. Lion and Tiger communicate with Animal.
C. Animal may not have direct instances.
D. Instances of Animal communicate differently than instances of Lion or Tiger.

Question 2. What does an underlined attribute indicate?
A. The attribute is read-only.
B. The attribute is derived from other attributes.
C. The attribute uniquely identifies instances.
D. The attribute is defined at the classifier level instead of the instance level.

Question 3. In the diagram, the attribute CourseOffering.numberOfStudents is an example of _____.

A. The attribute is read-only.
B. The attribute is derived from other attributes.
C. The attribute uniquely identifies instances.
D. The attribute is defined at the classifier level instead of the instance level.
A. a bad design
B. a static attribute
C. a derived attribute
D. non-standard naming

**Question 4. Which three activities are elements of Class Design?**
(Choose three)
A. identify classes and relationships that support implementation of an architecture
B. identify and analyze state transitions in objects of state-controlled classes
C. identify classes that model the problem domain
D. refine relationships, operations and attributes