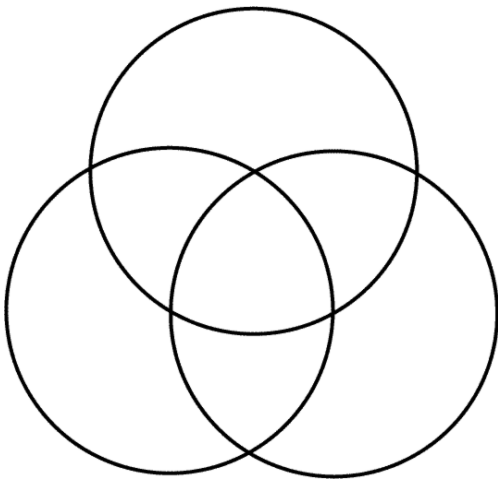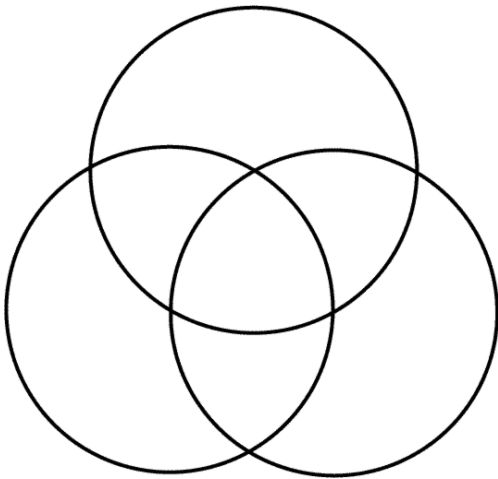Name: _____

Example 1

All students here today are enrolled in CS 100.

Some students enrolled in CS 100 are sophomores.

Therefore, some students that are here today are
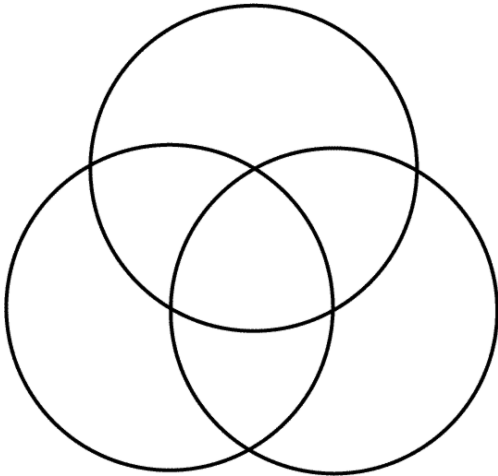   sophomores.

Valid or Invalid? _____

Example 2

No Martians are Earthlings.

Some Earthlings are astronauts.

So, some astronauts are not Martians.
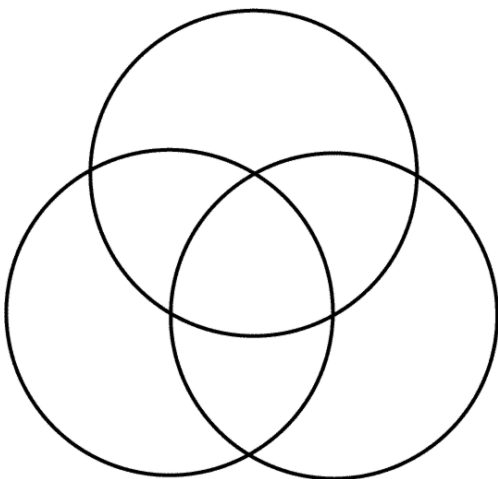

Valid or Invalid? _____

Example 3

No Democrats are Republicans.

Some actors are Republicans.

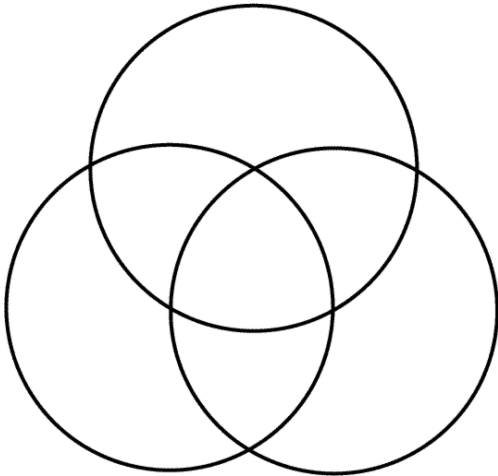So, some actors are not Democrats.

Valid or Invalid? _____

Example 4

No barracudas are pets.

No sharks are barracudas.

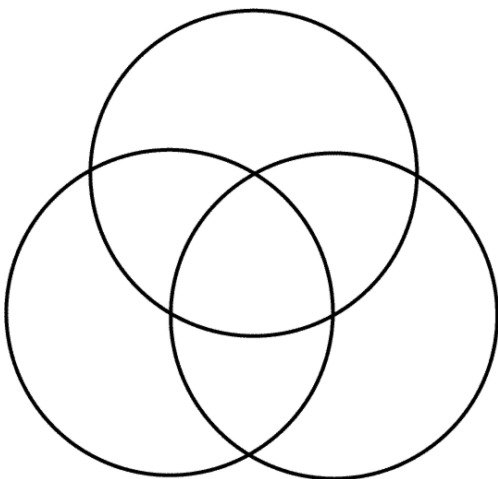So, no sharks are pets.

Valid or Invalid? _____

Example 5

No Fords are Pontiacs.

All Escorts are Fords.

So, some Escorts are not Pontiacs.

Valid or Invalid? _____

Example 6
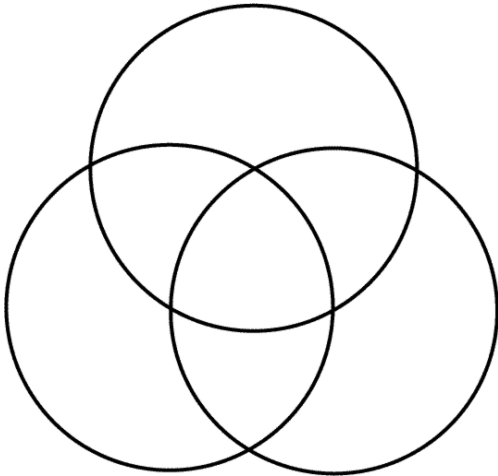
No poker players are early risers.

Some firefighters are early risers.

So, some firefighters are not poker players.
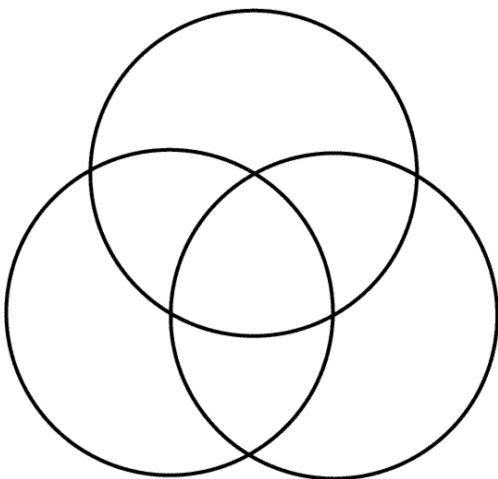
Valid or Invalid? _____

Example 7

Some bankers are vegetarians.

No anarchists are bankers.

So, some anarchists are not vegetarians.

Valid or Invalid? _____

Example 8

Some lawyers are not golfers.

All lawyers are persons who have attended
  law school.

So, some persons who have attended law school
  are not golfers.

Valid or Invalid? _____