

Categorical Syllogisms and Venn Diagrams

Practice Exercises

Argument 1

All robots are stupid things.

Some professors are robots.

Therefore, some professors are stupid things.

Argument 1

All robots are stupid.

Some professors are robots.

Therefore, some professors are stupid.

All M are P

Some S are M

Therefore, Some S are P

All M - P

Some S - M

Th: Some S - P

Argument 1

All robots are stupid.

Some professors are robots.

Therefore, some professors are stupid.

All M are P

Some S are M

Therefore, Some S are P

All M - P

Some S - M

Th: Some S - P

- Give the Venn Diagram

Argument 2

All snakes are reptiles.

All reptiles are cold-blooded creatures.

Therefore, all lizards are cold-blooded creatures.

Argument 2

All snakes are reptiles.

All reptiles are cold-blooded creatures.

Therefore, all lizards are cold-blooded creatures.

All Q - M

All M - P

Th: All S - P

- Problem?

Argument 3

No criminals are law-enforcement officers.

Some law enforcement officers are not bank robbers.

Therefore, some bank robbers are not criminals.

Argument 3

No criminals are law-enforcement officers.

Some law-enforcement officers are not bank robbers.

Therefore, some bank robbers are not criminals.

No P - M

Some M - not S

Th: Some S - not P

- Give the Venn Diagram

Argument 4

No Italians are Asians.

Some Inuits are Italians.

Therefore, some Inuits are Asians.

No M - P

Some S - M

Th: Some S - P

- Give the Venn Diagram

Argument 5

All barbers are singers.

Some Italians are singers.

Therefore, some Italians are barbers.

Argument 5

All barbers are singers.

Some Italians are singers.

Therefore, some Italians are barbers.

All P - M

Some S - M

Th: Some S - P

- Give the Venn Diagram