





Math 1030 #1b

Propositions make claims about sets.

Vocabulary

Let S = subject set and P = predicate set.

Four standard categorical propositions	Examples
All S are P 	All whole numbers are integers.
No S are P 	No odd numbers are divisible by 2.
Some S are P 	Some mathematicians are women.
Some S are not P 	Some retired people do not work at Walmart

EXAMPLE 1:

Draw a Venn Diagram
State the subject and predicate sets

a) Every poodle is a dog.



b) Some movie stars are redheads.



c) Monkeys don't gamble.



d) Some people don't like chocolate.

