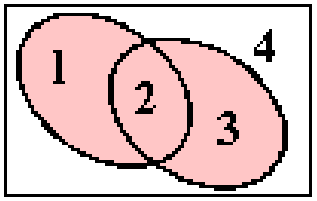
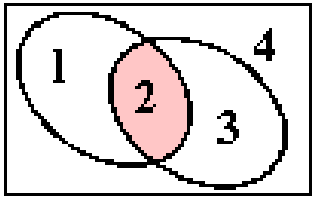
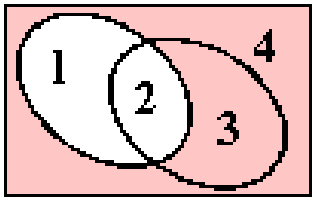
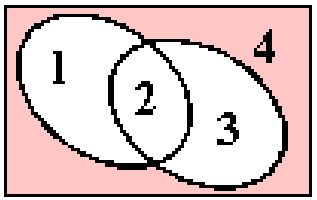
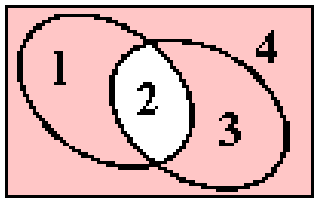
Name: _____ Date: _____

Set Notation	Pronunciation	Meaning	Venn Diagram	Answer
$A \cup B$	"A union B"	Everything in both sets		$\{1, 2, 3\}$
$A \cap B$	"A intersect B"	Only what is in common with both sets		$\{2\}$
$\overline{A}$ or A'	"A complement"	Everything NOT in set A		$\{3, 4\}$
$(A \cup B)'$	"not A union B"	Everything NOT in set A and set B		$\{4\}$
$(A \cap B)'$	" not A intersect B"	Everything NOT in common between set A and set B		$\{1, 3, 4\}$