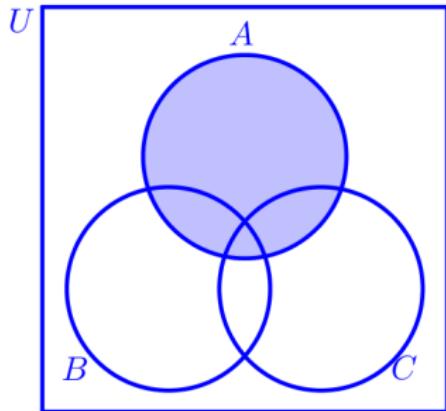


A, B, C, U , union, intersection, complement, difference

A, B, C, U , 합집합, 교집합, 여집합, 차집합
(A, B, C, U , union, intersection, complement, difference)

A, B, C, U , union, intersection, complement, difference

▶ Start ▶ End

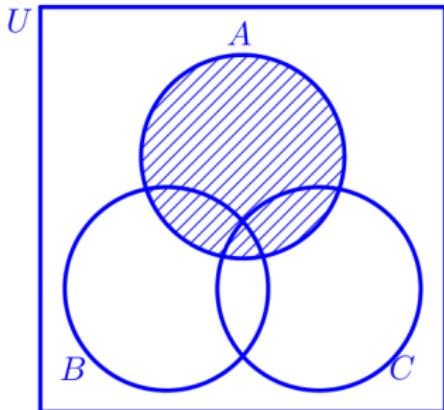


✓	A	□	□	□	U
	B				
	C				
	A ∩ B				
	A ∪ B				
	B ∩ C				
	B ∪ C				
	C ∩ A				
	C ∪ A				
	A ∩ B ∩ C				
	A ∪ B ∪ C				
	A - B = A ∩ B'				
	B - C = B ∩ C'				
	C - A = C ∩ A'				

$A^c = U - A$
$B^c = U - B$
$C^c = U - C$
$(A \cap B)^c = A^c \cup B^c$
$(A \cup B)^c = A^c \cap B^c$
$(B \cap C)^c = B^c \cup C^c$
$(B \cup C)^c = B^c \cap C^c$
$(C \cap A)^c = C^c \cup A^c$
$(C \cup A)^c = C^c \cap A^c$
$(A \cap B \cap C)^c = A^c \cup B^c \cup C^c$
$(A \cup B \cup C)^c = A^c \cap B^c \cap C^c$
$B - A = B \cap A^c$
$C - B = C \cap B^c$
$A - C = A \cap C^c$

A, B, C, U , union, intersection, complement, difference

▶ Start ▶ End



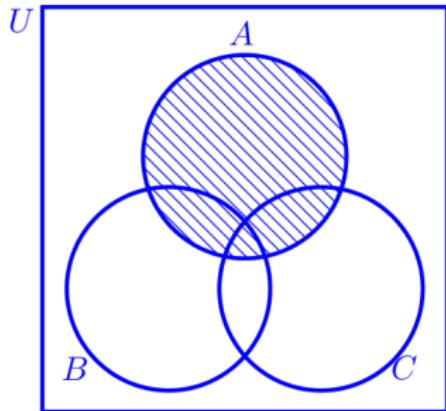
✓	A	\square	\square	\square	U
	B				
	C				
	$A \cap B$				
	$A \cup B$				
	$B \cap C$				
	$B \cup C$				
	$C \cap A$				
	$C \cup A$				
	$A \cap B \cap C$				
	$A \cup B \cup C$				
	$A - B = A \cap B^c$				
	$B - C = B \cap C^c$				
	$C - A = C \cap A^c$				

	$A^c = U - A$
	$B^c = U - B$
	$C^c = U - C$
	$(A \cap B)^c = A^c \cup B^c$
	$(A \cup B)^c = A^c \cap B^c$
	$(B \cap C)^c = B^c \cup C^c$
	$(B \cup C)^c = B^c \cap C^c$
	$(C \cap A)^c = C^c \cup A^c$
	$(C \cup A)^c = C^c \cap A^c$
	$(A \cap B \cap C)^c = A^c \cup B^c \cup C^c$
	$(A \cup B \cup C)^c = A^c \cap B^c \cap C^c$
	$B - A = B \cap A^c$
	$C - B = C \cap B^c$
	$A - C = A \cap C^c$

A, B, C, U , union, intersection, complement, difference

▶ Start

▶ End

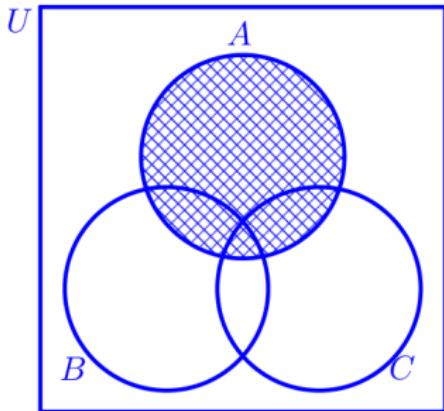


✓	A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	U
	B				
	C				
	$A \cap B$				
	$A \cup B$				
	$B \cap C$				
	$B \cup C$				
	$C \cap A$				
	$C \cup A$				
	$A \cap B \cap C$				
	$A \cup B \cup C$				
	$A - B = A \cap B^c$				
	$B - C = B \cap C^c$				
	$C - A = C \cap A^c$				

	$A^c = U - A$
	$B^c = U - B$
	$C^c = U - C$
	$(A \cap B)^c = A^c \cup B^c$
	$(A \cup B)^c = A^c \cap B^c$
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	$(B \cup C)^c = B^c \cap C^c$
	$(C \cap A)^c = C^c \cup A^c$
	$(C \cup A)^c = C^c \cap A^c$
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	$(A \cup B \cup C)^c = A^c \cap B^c \cap C^c$
	$B - A = B \cap A^c$
	$C - B = C \cap B^c$
	$A - C = A \cap C^c$

A, B, C, U , union, intersection, complement, difference

▶ Start ▶ End



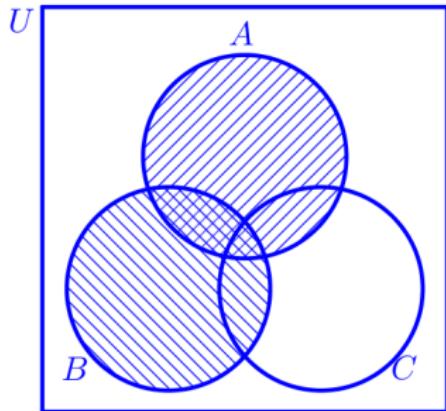
✓✓	A	□□□	U
	B		
	C		
	$A \cap B$		
	$A \cup B$		
	$B \cap C$		
	$B \cup C$		
	$C \cap A$		
	$C \cup A$		
	$A \cap B \cap C$		
	$A \cup B \cup C$		
	$A - B = A \cap B^c$		
	$B - C = B \cap C^c$		
	$C - A = C \cap A^c$		

			$A^c = U - A$
			$B^c = U - B$
			$C^c = U - C$
			$(A \cap B)^c = A^c \cup B^c$
			$(A \cup B)^c = A^c \cap B^c$
			$(B \cap C)^c = B^c \cup C^c$
			$(B \cup C)^c = B^c \cap C^c$
			$(C \cap A)^c = C^c \cup A^c$
			$(C \cup A)^c = C^c \cap A^c$
			$(A \cap B \cap C)^c = A^c \cup B^c \cup C^c$
			$(A \cup B \cup C)^c = A^c \cap B^c \cap C^c$
			$B - A = B \cap A^c$
			$C - B = C \cap B^c$
			$A - C = A \cap C^c$

A, B, C, U , union, intersection, complement, difference

▶ Start

▶ End

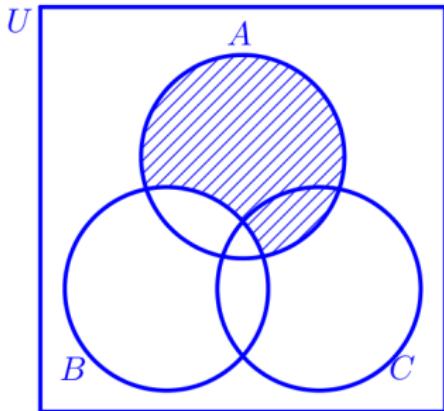


✓	✓	A	□	□	□	U
✓	B					
C						
$A \cap B$						
$A \cup B$						
$B \cap C$						
$B \cup C$						
$C \cap A$						
$C \cup A$						
$A \cap B \cap C$						
$A \cup B \cup C$						
$A - B = A \cap B^c$						
$B - C = B \cap C^c$						
$C - A = C \cap A^c$						

						$A^c = U - A$
						$B^c = U - B$
						$C^c = U - C$
						$(A \cap B)^c = A^c \cup B^c$
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						$(C \cap A)^c = C^c \cup A^c$
						$(C \cup A)^c = C^c \cap A^c$
						$(A \cap B \cap C)^c = A^c \cup B^c \cup C^c$
						$(A \cup B \cup C)^c = A^c \cap B^c \cap C^c$
						$B - A = B \cap A^c$
						$C - B = C \cap B^c$
						$A - C = A \cap C^c$

A, B, C, U , union, intersection, complement, difference

▶ Start ▶ End



✓	A	□	□	□	U
✓	B				
	C				
	$A \cap B$				
	$A \cup B$				
	$B \cap C$				
	$B \cup C$				
	$C \cap A$				
	$C \cup A$				
	$A \cap B \cap C$				
	$A \cup B \cup C$				
	$A - B = A \cap B^c$				
	$B - C = B \cap C^c$				
	$C - A = C \cap A^c$				

	$A^c = U - A$
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	$(C \cap A)^c = C^c \cup A^c$
	$(C \cup A)^c = C^c \cap A^c$
	$(A \cap B \cap C)^c = A^c \cup B^c \cup C^c$
	$(A \cup B \cup C)^c = A^c \cap B^c \cap C^c$
	$B - A = B \cap A^c$
	$C - B = C \cap B^c$
	$A - C = A \cap C^c$

Github:

<https://min7014.github.io/math20220819001.html>

Click or paste URL into the URL search bar,
and you can see a picture moving.