Team Members:

1. 2.

3. 4.

Section: TR 12:30 pm T 6:00 pm

Team Rules:

- Work through these exercises with a team in class.
- **Only one answer sheet will be turned in.** Each member of the team will receive the same score.

Work Rules:

- Fill out your answers on the **answer sheet!**
- Write cleanly and linearly! If I can't make sense of your solution, you won't get credit. You can also type out your answers if you'd prefer.
- Write out each step If I can't see the logic you used to get from one step to another, you might get points off.
- <u>Don't scribble out cancellations</u> I can't read that. If a numerator / denominator cancel out, or if there is a +/- that cancels out, don't scribble just use a single slash, or add an extra step!

Grading:

Each question as a weight, and all questions can receive a score between 0 and 4:

Nothing written	Something attempted, but incorrect	Partially correct, but multiple errors.	Mostly correct, with one or two errors.	Perfect. Correct answer and notation
0	1	2	3	4

Answer Sheet

Exercise 1 (___/3)

	IN	Z	Q	IR
10				
-5				
12 / 6				
π				
2.40				

Exercise 2	(/	1)
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Exercise 5a circle the true statements

- 1. *B*⊆*C*
- 2. $D\subseteq A$
- 3. $U\subseteq \emptyset$

- 4. $C\subseteq U$
- 5. *B*⊆*B*
- 6. *U*⊆**N**

- 7. $B\subseteq \mathbb{Z}$
- 8. *B*⊆*D*
- 9. *E*⊆*D*

Exercise 5b (____/6)

Fill in with \subseteq (is a subset of), $\not\subseteq$ (not a subset of), or = (equal to)

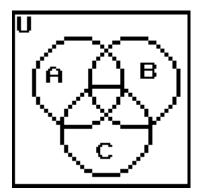
- 1. D ____ U
- 2. D ____ C
- 3. D ____ B

- 4. C ____ E
- 5. E ____ U
- 6. E ____ D

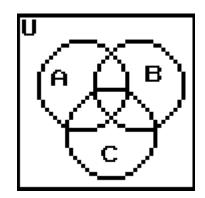
color in the Venn diagrams Exercise 6

(___/9)

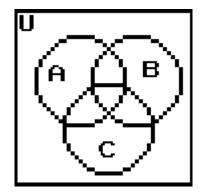
a) $A \cap B$



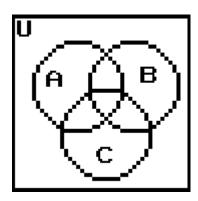
b) $A \cap C$



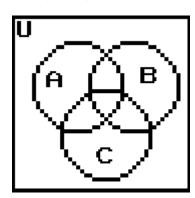
c) $(A \cap B) \cup (A \cap C)$



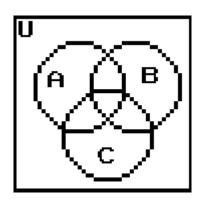
d) $B \cup C$



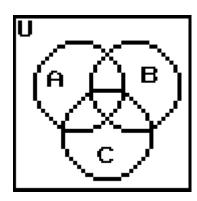
e) $A \cap (B \cup C)$



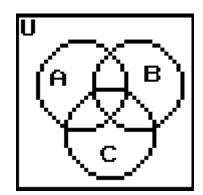
f) B-C



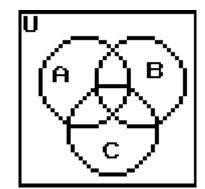
g) B'



h) $(A \cup B) - B$



i) $A \cup (B-C)$



Chapter 3.1	Exercise CS 210, Spring 2017	Page 4 of 4
Exercise 7a $A \cap (B \cup C) = $ $(A \cap B) \cup (A \cap C)$	Are they equivalent? Write out, then answer Yes/No $C = C$	(/1)
Exercise 7b $(A \cup B)' = A' \cap B' =$	Are they equivalent? Write out, then answer Yes/No	(/1)
Exercise 7c $A \cap (A \cup B) =$	Are they equivalent? Write out, then answer Yes/No	(/1)
A =Exercise 8aProperty description	ion:	(/2)
Form description: Exercise 8b Property description		(/2)
Form description:		
Exercise 9a Form description:	:	(/2)
Exercise 9b Form description:	:	(/2)
Exercise 9c Form description:		(/2)
- OLILI UCUCLIPUUII.		