

ANSWER SHEET FOR PROBLEM SET #1 (Due Friday 2 February at 12:05pm in class)

PROBLEM 1 (TO BE FILLED IN DURING THE FIRST 8 OR SO MINUTES OF CLASS)

1.	2.
3.	4.
5.	6.
7.	8.

PROBLEM 2

Statement	а	b	с	d
T/F				

PROBLEM 3

р	q	r	{[(<i>p</i>	\vee	~q)	\leftrightarrow	r]	\rightarrow	[<i>r</i>	\rightarrow	~	(p	&	<i>r</i>)]}	\vee	[(p	&	~ <i>r</i>)	\vee	~q]
Т	Т	Т																		
Т	Т	F																		
Т	F	Т																		
Т	F	F																		
F	Т	Т																		
F	Т	F																		
F	F	Т																		
F	F	F																		

PROBLEM 4 Rule



ANSWER SHEET FOR PROBLEM SET #2 (Due Wednesday 7 February at 12:05pm in class)

PROBLEM 1 (TO BE FILLED IN DURING THE FIRST 8 OR SO MINUTES OF CLASS)

1.	2.
3.	4.
5.	6.
7.	8.

#	Symbolic notation (Premise 1 / Premise 2 / / Premise n // Conclusion)
1	
2	
3	
4	
5	
6	



ANSWER SHEET FOR PROBLEM SET #3 (Due Monday 12 February at 12:05pm in class)

PROBLEM 1 (TO BE FILLED IN DURING THE FIRST 8 OR SO MINUTES OF CLASS)

1.	2.
3.	4.
5.	6.
7.	8.

#	Translation and brief truth table	Valid? (Y/N)	If invalid, give truth value assignment (T/F) that proves invalidity
1			L: G: D: E: P: O: A: W: R: U:
2			M: E: G:
3			O: S: A: F: I: T:
4			T: S: C: M: G:

PROBLEM 2—TRANSLATIONS AND TRUTH TABLES



ANSWER SHEET FOR PROBLEM SET #4 (Due Friday 16 February at 12:05pm in class)

PROBLEM 1 (TO BE FILLED IN DURING THE FIRST 8 OR SO MINUTES OF CLASS)

1.	2.
3.	4.
5.	6.
7.	8.

Argumont	Line	Justification	T Contraction of the second seco	Line	Justification
Argument		Justification	Argument		Justification
1	4		4	4	
	5			5	
	6			6	
	7			7	
	8			8	
	9			9	
	10		5	5	
	11			6	
2	5			7	
	6			8	
	7			9	
	8			10	
	9			11	
	10		6	4	
	11			5	
	12			6	
3	4			7	
	5			8	
	6			9	
	7			10	
	8			11	
				12	
				13	



ANSWER SHEET FOR PROBLEM SET #5 (Due Wednesday 21 February at 12:05pm in class)

PROBLEM 1 (TO BE FILLED IN DURING THE FIRST 8 OR SO MINUTES OF CLASS)

1.	2.
3.	4.
5.	6.
7.	8.

PROBLEM 2

1.	
2.	
3.	



<u>Name:</u> <u>ANSWER SHEET FOR PROBLEM SET #6</u> <u>(Due Wednesday 28 February at 12:05pm in class)</u>

PROBLEM 1 (TO BE FILLED IN DURING THE FIRST 8 OR SO MINUTES OF CLASS)

1.	2.
3.	4.
5.	6.
7.	8.

1.	
2.	
3.	



ANSWER SHEET FOR PROBLEM SET #7 (Due Monday 11 March at 12:05pm in class)

PROBLEM 1 (TO BE FILLED IN DURING THE FIRST 8 OR SO MINUTES OF CLASS)

1.	2.
3.	4.
5.	т.
5.	6.

#	Translation
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	



ANSWER SHEET FOR PROBLEM SET #8 (Due Wednesday 20 March at 12:05pm in class)

PROBLEM 1 (TO BE FILLED IN DURING THE FIRST 8 OR SO MINUTES OF CLASS)

1.	2.
3.	4.
~	
5.	6.

1.	
2.	
3.	
5.	



Name: <u>ANSWER SHEET FOR PROBLEM SET #9</u> (Due Monday 1 April at 12:05pm in class)

PROBLEM 1 (TO BE FILLED IN DURING THE FIRST 8 OR SO MINUTES OF CLASS)

1.	2.
3.	4.
5.	6.

PROBLEM 2 (Use lined boxes for natural deduction and blank box for the finite universe method)



ANSWER SHEET FOR PROBLEM SET #10 (Due Monday 15 April at 12:05pm in class)

PROBLEM 1 (TO BE FILLED IN DURING THE FIRST 8 OR SO MINUTES OF CLASS)

1.	2.
3.	4.

#	Translation
1	
2	
3	
4	
5	

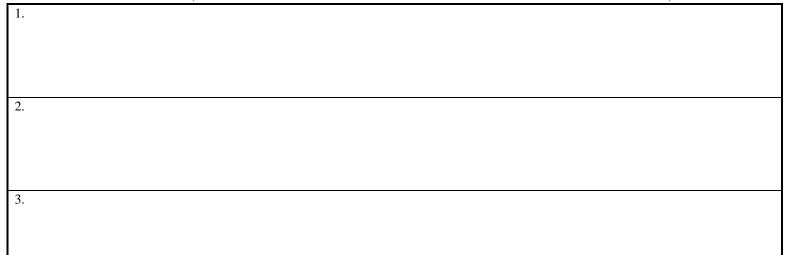
PHILOSOPHY 211: ELEMENTARY LOGIC



PETER B. M. VRANAS MWF 12:05-12:55, SPRING 2024

<u>Name:</u> <u>ANSWER SHEET FOR PROBLEM SET #11</u> (Due Friday 19 April at 12:05pm in class)

PROBLEM 1 (TO BE FILLED IN DURING THE FIRST 8 OR SO MINUTES OF CLASS)



PROBLEM 2	
1.	
2.	
2.	



ANSWER SHEET FOR PROBLEM SET #12 (Due Friday 26 April at 12:05pm in class)

PROBLEM 1 (TO BE FILLED IN DURING THE FIRST 8 OR SO MINUTES OF CLASS)

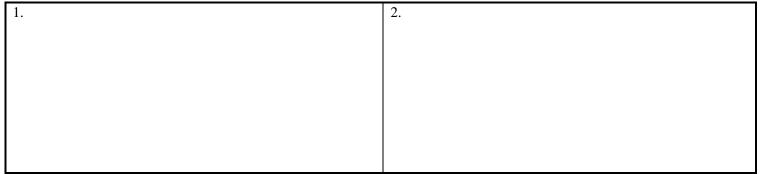
1.	2.
3.	4.

#	Translation
1	
2	
3	
4	
5	



ANSWER SHEET FOR PROBLEM SET #13 (Due Wednesday 1 May at 12:05pm in class)

PROBLEM 1 (TO BE FILLED IN DURING THE FIRST 8 OR SO MINUTES OF CLASS)



1.	

PHILOSOPHY 211: ELEMENTARY LOGIC

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PETER B. M. VRANAS MWF 12:05-12:55, SPRING 2024

2.	