

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.
- Don't scribble out cancellations – 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						0	1	Score		2	3	4	Weight
													18%
(a)	True	/	False	(b)	True	/	False	(c)	True	/	False		
(d)	True	/	False	(e)	True	/	False	(f)	True	/	False		
(g)	True	/	False	(h)	True	/	False	(i)	True	/	False		
Exercise 2 (a)						0	1	2	3	4		4%	
The printer is not out of paper:													
Exercise 2 (b)						0	1	2	3	4		4%	
The printer is online:													
Exercise 2 (c)						0	1	2	3	4		4%	
The printer is offline and it is out of paper:													
Exercise 2 (d)						0	1	2	3	4		4%	
The printer is online and it is not out of paper:													
Exercise 2 (e)						0	1	2	3	4		4%	
Either the printer is offline, or it is out of paper:													
Exercise 2 (f)						0	1	2	3	4		4%	
The printer is online, but it is out of paper:													
Exercise 2 (g)						0	1	2	3	4		4%	
The printer is offline or it is out of paper, but not both:													
Exercise 2 (h)						0	1	2	3	4		4%	
The printer is online and the printer has paper, and the document has not finished printing:													

Exercise 3 (a)

0 1 2 3 4 6%

p	q		$\neg q$	$p \wedge \neg q$
T	T		F	
T	F		T	
F	T			
F	F			

Exercise 3 (b)

0 1 2 3 4 6%

p	q		$\neg p$	$\neg q$	$\neg p \vee \neg q$
T	T				
T	F				
F	T				
F	F				

Exercise 4 (a)

0 1 2 3 4 12%

p	q
T	T
T	F
F	T
F	F

Exercise 4 (b)

0 1 2 3 4 12%

p	q	r
T	T	T
T	T	F
T	F	T
T	F	F
F	T	T
F	T	F
F	F	T
F	F	F

Exercise 5 (a)

0 1 2 3 4 7%

p	q
T	T
T	F
F	T
F	F

Exercise 5 (b)

0 1 2 3 4 7%

p	q
T	T
T	F
F	T
F	F