

# CSE 390Z: LaTeX About Me

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## Introduction

Hi! My preferred name is Sydney and I go by she/her/hers. I am a first-year student at the University of Washington. This quarter, I'm looking forward to strengthening my ability to reason logically and learning how to clearly write mathematical arguments.

## Classes

- CSE 311
- CSE 351
- CSE 391
- CSE 390
- EDUC 251

## Five of my Favorite Things

1. Playing Tennis
2. Taking Photos
3. Going on Hikes
4. Exploring the city
5. Late-night drives

## Symbol Practice

Here are three mathematical symbols I am practicing:

$$\forall x \in \mathbb{R}, \quad a \neq b, \quad p \rightarrow q$$

## Table of Course Work

Category	Requirement
Workshop Participation	Get an S on 7 / 9 (Week 1 participation will not be graded)
Quick Checks	Get an S on 7 / 9
Skill Assessments	Get an S on 3 / 4
Exam Preparation	Get an S on 1 / 1

## Simplification Problem

Simplify  $5(3p - 3) - (3p + 2)(p + 1)$

$$\begin{aligned} & 5(3p - 3) - (3p + 2)(p + 1) \\ &= 15p - 15 - (3p^2 + 3p + 2p + 2) \\ &= 15p - 15 - (3p^2 + 5p + 2) \\ &= 15p - 15 - 3p^2 - 5p - 2 \\ &= -3p^2 + 10p - 17 \end{aligned}$$

## Java Code

```
public class Z390mathexample {  
    public static void main(String[] args) {  
        int x = 10;  
        int y = 15;  
        System.out.println(x + y);  
    }  
}
```

## **Propositional Logic Symbols**

If you live in Seattle, you are used to rainy weather or you are not used to rainy weather.

Let  $p$  be the proposition: “You live in Seattle.”

Let  $q$  be the proposition: “You are used to rainy weather.”

The given statement can be written as:

$$p \rightarrow (q \vee \neg q)$$

## **Reflection**

I spent approximately one hour working on this LaTeX About Me assignment.