A-Star 2016 Winter Math Camp

Justin Stevens

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Outline

4 Citations

1 Introduction

Welcome to A-Star Winter Math Camp 2016! This is my fourth A-Star camp.

- I've attended once as a student before in 2013.
- I've taught the AMC class twice before in the summer of 2015 and 2016.
- Number Theory is my favourite subject to teach :).

1.1 Schedule

Time	Subject
9-10:30 AM	Number Theory
10:45AM-12:15PM	Algebra
1:45-3:15PM	Geometry
3:30-5:00PM	Counting

Table 1: A-Star Teaching Schedule

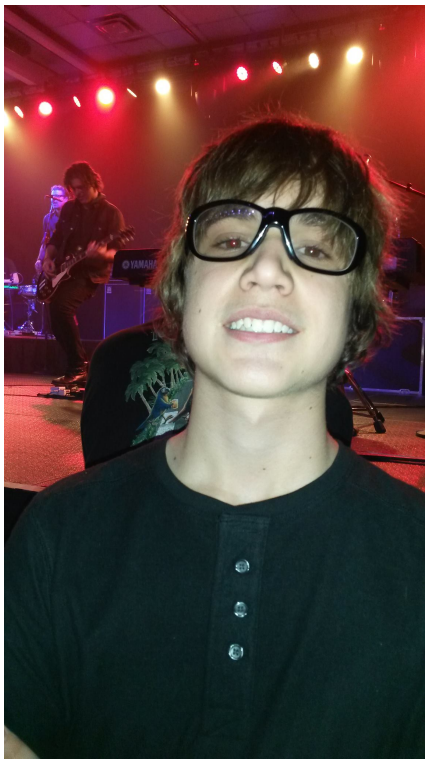
1.2 Icebreaker Activity

Three Truths and a Lie

Write down three truths and one lie about yourself on your piece of paper. I'll guess which one is the lie! Good luck guessing which one is my lie.

- I've seen over 100 different bands live in concert.
- I've programmed a human sized robot.
- My family has 2 cats.
- I've competed in and won a crib race.

Concerts: Truth



Robot: Truth

Cats: (Deceptive) Lie!

We have 5...

Crib Race??: Truth

Celebration!

2 Math Time

2.1 Bullet Points and Numbered Lists

- Lorem ipsum dolor sit amet, consectetur adipiscing elit
- Aliquam blandit faucibus nisi, sit amet dapibus enim tempus eu

1. Nulla commodo, erat quis gravida posuere, elit lacus lobortis est, quis porttitor odio mauris at libero
2. Nam cursus est eget velit posuere pellentesque
3. Vestibulum faucibus velit a augue condimentum quis convallis nulla gravida

2.2 Verbatim

How to include a theorem in this presentation:

```
\mybox{0.8\textwidth}{
\begin{theorem}[Murphy (1949)]
Anything that can go wrong, will go wrong.
\end{theorem}
}
```

3 Displaying Information

3.1 Table

Treatments	Response 1	Response 2
Treatment 1	0.0003262	0.562
Treatment 2	0.0015681	0.910
Treatment 3	0.0009271	0.296

Table 2: Table caption

3.2 Figure

3.3 Theorem

The most common definition of Murphy's Law is as follows.

Theorem (Murphy (1949))
Anything that can go wrong, will go wrong.

Proof. A special case of this theorem is proven in the textbook. □

Remark
This is a remark.

Algorithm
This is an algorithm.

4 Citations

An example of the `\cite` command to cite within the presentation:

This statement requires citation [1].

References

[1] J. M. Smith and A. B. Jones. *Book Title*. Publisher, 7th edition, 2012.

Questions?