# Hello World! Sample PreTeXt slides

July 29, 2019

lo World! July 29, 2019 1/9

# Overview

Hello World! July 29, 2019 2 / 9

## $PDX \iff PTX$

- One item
- Another item
- A really long item which is really far too long to be an item in a talk.
   Points should really be only a single line unless they are really important.

3/9

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Words and stuff

ello World! July 29, 2019 4/9

Words and stuff

• First thing

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Words and stuff

- First thing
- Second thing

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#### Words and stuff

- First thing
- Second thing
- Third thing

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#### Thing two:

- a bit of this.
- a bit of that.
- a bit of the other.
- and a very long and tedious part that really should not be part of a talk but it snuck in.

Hello World!

5/9

ello World! July 29, 2019 6 / 9



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Who puts 3 columns like this?

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Who puts 3 columns like this?

More stuff and bits

- a bit of this.
- a bit of that.
- a bit of the other.
- and yet more bit.

Hello World! July 29, 2019 6/9

Theorem: Cats and Mats	
The cat sits on the mat.	
Proof:	

Theorem: Cats and Mats

The cat sits on the mat.

#### Proof:

• Take cat and place near mat.

Hello World!

Theorem: Cats and Mats

The cat sits on the mat.

#### Proof:

- Take cat and place near mat.
- Wait until cat is sat.



Theorem: Cats and Mats

The cat sits on the mat.

#### Proof:

- Take cat and place near mat.
- Wait until cat is sat.
- Attempt to lift mat without disturbing cat.



# Now without proof

Corollary: Cats and bats

The cat eats the bat on the mat.

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# Now without proof

Corollary: Cats and bats

The cat eats the bat on the mat.

• The proof is too long to fit in the margin here.

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# Now without proof

Corollary: Cats and bats

The cat eats the bat on the mat.

- The proof is too long to fit in the margin here.
- It is left as an exercise for the reader.

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Hello World! July 29, 2019 8/9

## A bit of math

Theorem: Pythagorean Theorem

Let a,b be the lengths of the legs of a right triangle, and let c be the length of its hypotenuse. Then:

$$a^2 + b^2 = c^2$$

Proof:Look it up.



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