

MA0000

TEST MODULE

LECTURE NOTES

2014-15

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# Lecture 1   Theorems

Here is an equation with a label:

$$E = mc^2 \tag{1.1}$$

Here is a theorem:

**Theorem 1.1**

$e^{i\pi} - 1 = 0$ .

**Proof:**

Here is a lemma:

**Lemma 1.2**

If a partially ordered set  $A$  has the property that every totally ordered subset has an upper bound in  $A$ , then  $A$  contains at least one maximal element.

**Proof:**

# Lecture 2   Figures

Here is a figure.



Figure 2.1: Humpty the Camel.

No more figures.

# Lecture 3   Lists

Initial text.

- First item of list
  - (1) First item of nested list.
  - (2) Second item of nested list.
- Second item of list

Final text.

# Lecture 4   Labels, References and Citations

- Here we include a label: .
- Here we include a reference: 4.
- Here we include a citation: [?].

# Lecture 5 Exercises

## 5.1 Formative exercises

### Exercise 5.1 [Formative]

This is the introduction.

1. This is the first question.
2. This is the second question.
3. This is the third question.
  - (a) This is the first part of the third question
  - (b) This is the second part of the third question

## 5.2 Diagnostic exercises (multiple choice)

### Exercise 5.2 [Diagnostic]

1. Which is the odd one out?
  - A. Mick
  - B. Paul
  - C. George
  - D. Ringo
2. Which is the odd one out?
  - A. John
  - B. Keef
  - C. George
  - D. Ringo