

# Test 004: New theorems, numbering and styles

Emma Cliffe, Skills Centre: MASH, University of Bath

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## 1 Testing some theorem stuff

### Definition 1.1.

Here is a definition

### Example 1.1.

Here is an example.

Here is some more boring text in between.

### Theorem 1.1 (Foo).

Bookdown is needed for things like theorems and internal references

### Proposition 1.2 (Thingy we need for 1.1).

You can create new theorem types

**Proof.** [Of theorem 1.1] Here is a proof

□

□

**Proof of theorem 1.1.**

Here is a proof

□

**Proposition 1.3.**

Bookdown is needed for things like theorems and internal references

**Thought 1.1** (Bar of 1.1).

You can create new theorem types

**Defns.**

You can create new unnumbered theorem types

**Nugget 1.2.**

You can create new theorem types

**Example.**

An example

**Solution 1.1.**

You can create new theorem types

**Exercises.**

Here is a question

**Solution.**

Test

## 2 Testing the reference link back

Now go to theorem 1.1 or thought 1.1

**Solution.**

Test

**Definition 1.1.**

Here is a definition

**Thought 1.1** (Bar of 1.1).

You can create new theorem types

Now an actual new thing:

**Thought 2.1.**

Stuff and nonsense