

# Test 004: New theorems, numbering and styles

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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*