# Test 003: 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				
Propos	ition 1.3.			
Bookdo	wn is needed for things like theorems and	d internal references		
Though	nt 1.1 (Bar of 1.1).			
You can	create new theorem types			
Defns.				
You can	create new unumbered theorem types			
Nugget	1.2.			
You can	create new theorem types			
Exampl	e.			
An exan	nple			
Solutio	n 1.1.			
You can	create new theorem types			
Exercis				
Here is	a question			
Solutio	n.			
Test				

# 2 Testing the reference link back

Now go to theorem 1.1.	
Solution.	
Test	

## Definition 2.1.

Here is a definition

## **Thought 2.1** (Bar of 1.1).

You can create new theorem types

Now an actual new thing:

### Thought 2.2.

Stuff and nonsense