

Theorems — Central Plaza

Introduction page

Promotional intro sentences

S: Few things are more interesting than observing the local people go about their business. The central plaza is crowded, it's a perfect people-watching spot.

M: Theorems are a central object in the world of mathematical proofs. We will discover some of the characteristics of theorems in this section.

General Notes

Duration	Difficulty	Textbook reference
1/5	2/5	(1) All of Section 4.1 (2) Parts of ch4 intro

Objectives Categorize and compare theorems, propositions, lemmas and corollaries.

Interpret the meaning of theorems and propositions.

Storyline

Although the central plaza is famous for its fountain and statues, what you are so excited about is “people-watching”. There are few more exhilarating ways of getting a feel for a place than through the observation of locals going about their life. What clothes do they wear? What do they do? How are they interacting? You sit at a little tea room outside, order a drink and pull out your sunglasses.

Location

Go outside on the stairs in front of the PAC to complete this section in the open air.

Checklist

Complete all of the following before moving on. Start with the **green pre-assessment**, then the **blue notes**, then the **red documents**, before showing me your work. More importantly, make sure that you understand the concepts introduced in this location. When a title starts with an ***asterisk**, it means you can find the corresponding page in the material handed out.

<input type="checkbox"/>	<i>Pre-assessment</i> : Name a theorem you know! Write it down. Can you explain exactly what it says? Double-check carefully on the internet and identify discrepancies with your own wording.
<input type="checkbox"/>	<i>*Calligramme Notes</i> : This page is like people-watching, but it's "theorem-watching". It will introduce notions about theorems. Look at all parts carefully and take note of what characterizes theorems and other terms.
<input type="checkbox"/>	<i>*Activity 1</i> : This activity will ask you to classify a number of statements, and to reflect on their meaning.
<input type="checkbox"/>	<i>Activity 2</i> : Do you remember section 2.1? You had to pick two famous statements from a list and write a little about the history, etc. Without looking, can you recall which one you chose and what you wrote?
<input type="checkbox"/>	<i>Show me</i> : Come see me with all your work before moving on to the next building. I will ask you to show me some of your work.

Conclusion

You've been watching people go about their life for a while and learned lots about their customs and habits through observation. The sun has moved in the sky and you're now sitting in the shade. It's a little chilly, and anyway you've finished your drink, so isn't it time to get active again and choose some other place?