

paper=a4paper, top=3cm, bottom=3cm, left=3cm, right=3cm, head-
height=14pt, footskip=1.4cm, headsep=10pt,



Part One

1	In-text Elements	3
1.1	Theorems	

1. In-text Elements

1.1 Theorems

This is an example of theorems.

1.1.1 Several equations

This is a theorem consisting of several equations.

Theorem 1.1.1 — Name of the theorem. In $E = \mathbb{R}^n$ all norms are equivalent.
It has the properties:

$$||\mathbf{x}|| - ||\mathbf{y}|| \leq ||\mathbf{x} - \mathbf{y}|| \tag{1.1}$$

$$||\sum_{i=1}^n \mathbf{x}_i|| \leq \sum_{i=1}^n ||\mathbf{x}_i|| \quad \text{where } n \text{ is a finite integer} \tag{1.2}$$

1.1.2 Single Line

This is a theorem consisting of just one line.

Theorem 1.1.2 A set $\mathcal{D}(G)$ is dense in $L^2(G)$, $|\cdot|_0$.