

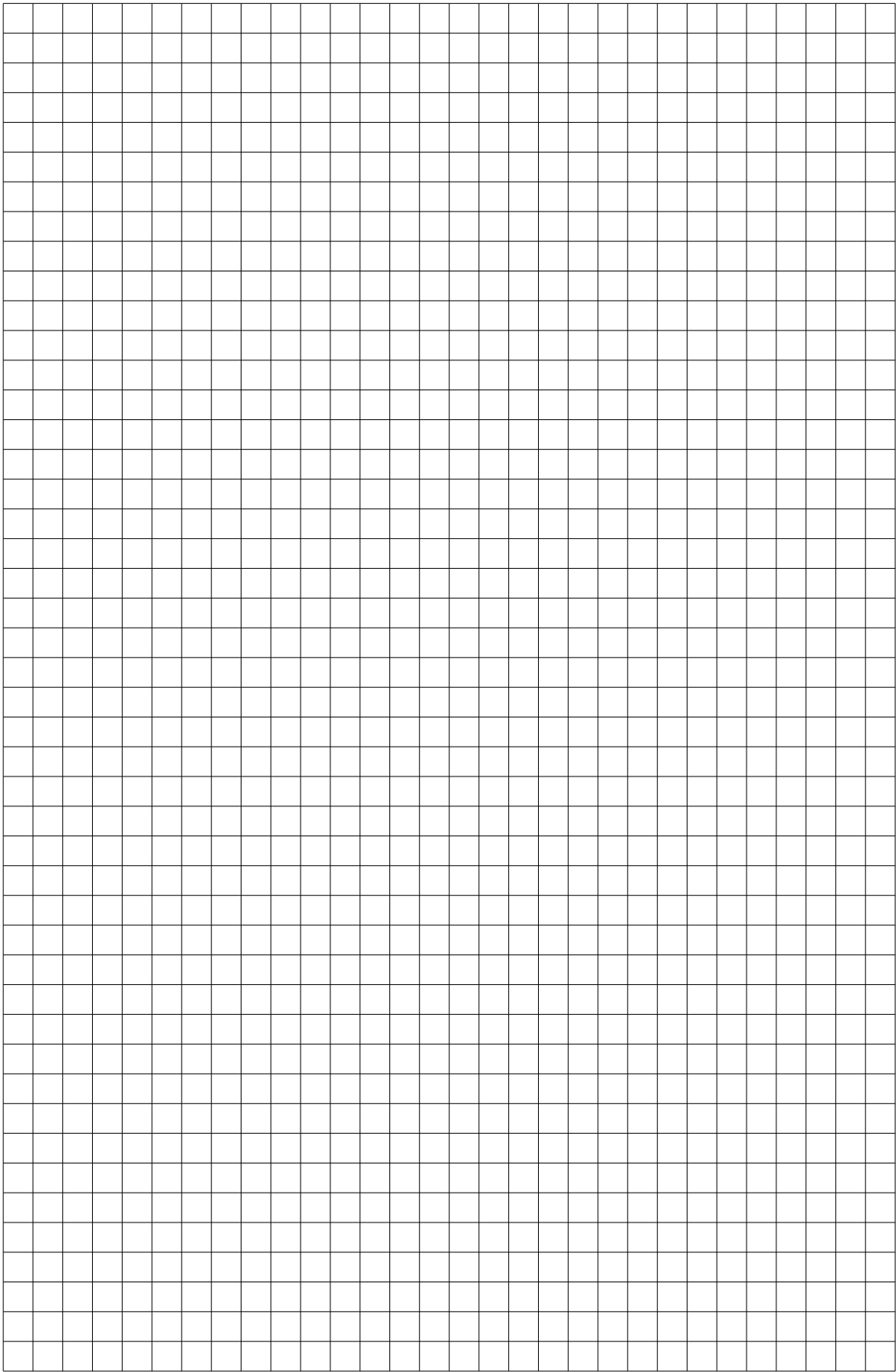
Geometria 3 – Corso di laurea in Matematica

Matricola:

**N.B.2** Gli esercizi senza nome e cognome hanno valore nullo.

**Risposta:**

This image shows a full page of blank graph paper. The grid consists of small, equal-sized squares formed by thin black lines. There are 20 columns and 20 rows of squares, creating a total of 400 square units. The grid covers the entire area of the page, leaving no margins or other markings.



**Esercizio 2** Si dimostri che l'applicazione

$$f : B_1(0) \rightarrow \mathbb{R}^n, x \mapsto \frac{x}{1 - \|x\|}$$

definisce un omeomorfismo tra  $B_1(0)$  e  $\mathbb{R}^n$ . Dedurre che  $B_r(x) \simeq \mathbb{R}^n$ .

**Risposta:**

