Notes for Mathematical Anaysis

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Matric Spaces and Named Linear Spaces

$\S 1.1\,\mathrm{M\,et}$ r ic Spaces

Let be any non-empty set. A $h\ o\ md\ j\ i$ is a mapping which satisfies the $h\ o\ md$'s $dj\ h\ n$. That is, for any ,

M1. iff;

M2.;

M3. .

The ordered pair is called a $h\ o\ md\ n\ k$.

$\S 1$. 20 pen
Set s

Let be a metric space. A set is said to be $j \ k$ iff

Differtiation