

**PMATH 336: INTRODUCTION TO GROUP THEORY WITH
APPLICATIONS
NOTATION**

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NOTATION

\mathbb{N}	: the set of natural numbers, $\{1, 2, \dots\}$
\mathbb{Z}	: the set of integers, $\{\dots, -1, 0, 1, \dots\}$
\mathbb{Q}	: the set of rational numbers
\mathbb{R}	: the set of real numbers
\mathbb{C}	: the set of complex numbers
\mathbb{Q}^+	: the set of strictly positive rational numbers
\mathbb{R}^*	: the set of non-zero real numbers, $\mathbb{R} \setminus \{0\}$
\mathbb{C}^*	: the set of non-zero complex numbers, $\mathbb{C} \setminus \{0\}$
$M_n(\mathbb{C})$: the set of $n \times n$ matrices with complex entries