

Lista de exercícios 2

- ①
- a) $2 \in \{1, 2, 3\}$
 - b) $\{2\} \subseteq \{1, 2, 3\}$
 - c) $\{2\} \in \{\{1\}, \{2\}, \{3\}\}$
 - d) $\emptyset \subseteq \{1, 2, 3\}$
 - e) $\mathbb{N} \subseteq \mathbb{Z}$
 - f) $\{2\} \subseteq \mathbb{Z}$
 - g) $\{2\} \in \mathbb{Z}^2$

② a) $\{x \in \mathbb{R} / x^2 = 1\} = \{-1, 1\}$

b) $\{x \in \mathbb{Z} / x^2 = 5\} = \emptyset$

c) $\{x \in \mathbb{Z} / x^2 < 25\} = \{-4, -3, -2, -1, 0, 1, 2, 3, 4\}$

- ③
- a) $\emptyset \in \emptyset$ X
 - b) $\emptyset \in \{\emptyset\}$ X
 - c) $\emptyset \in \{0\}$ X
 - d) $\{\emptyset\} \in \{\emptyset\}$ X
 - e) $\{\emptyset\} \subseteq \{\emptyset, \{\emptyset\}\}$ ✓
 - f) $\{\{\emptyset\}\} \subseteq \{\emptyset, \{\emptyset\}\}$ X
 - g) $\emptyset \in \{\emptyset, \{\emptyset\}\}$ ✓

