



- 95.** Sendo  $A = \{x \in \mathbb{R} \mid -1 < x \leq 3\}$  e  $B = \{x \in \mathbb{R} \mid 2 < x \leq 5\}$ , calcule  $A \cup B$ .
- 96.** Sejam  $A = (-\infty; 2]$  e  $B = [0; +\infty)$  intervalos de números reais. Determine  $A \cap B$ .

GABARITO

- 38.** a)  $\{a, b\}$                       d)  $\{a, b\}$   
 b)  $\{e, f, g\}$                       e)  $\{a, b, c\}$   
 c)  $\{b\}$                                 f)  $\{a, c, e, f, g\}$

**89.**



**90.**  $[-1, 3] = \{x \in \mathbb{R} \mid -1 \leq x \leq 3\}$

$[0, 2[ = \{x \in \mathbb{R} \mid 0 \leq x < 2\}$

$] -3, 4[ = \{x \in \mathbb{R} \mid -3 < x < 4\}$

$] -\infty, 5[ = \{x \in \mathbb{R} \mid x < 5\}$

$[1, +\infty[ = \{x \in \mathbb{R} \mid x \geq 1\}$

- 92.** a)  $[1, 2]$                       d)  $[0, 2]$   
 b)  $]1, 2]$                       e)  $[-1, 2[$   
 c)  $]0, \frac{2}{5}[$                       f)  $[1, 2]$

- 93.** a)  $[-1, 4]$                       c)  $[-1, 5]$   
 b)  $] -2, 5[$                       d)  $\left[-\frac{3}{2}, 0\right]$

**94.**  $\complement_A^B = [0, 1] \cup [3, 5[$

**95.**  $\{x \in \mathbb{R} \mid -1 < x \leq 5\}$

**96.**  $[0, 2]$