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Atividade 1.

a) $[-1, 3] = \{x \in \mathbb{R} | -1 \leq x \leq 3\}$

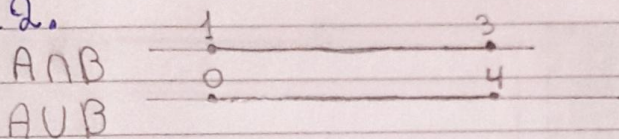
b) $[0, 2[= \{x \in \mathbb{R} | 0 \leq x < 2\}$

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

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

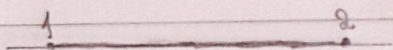
e) $[1, +\infty[= \{x \in \mathbb{R} | x \geq 1\}$

Atividade 2.

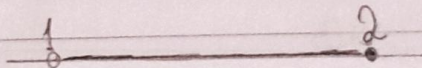


Atividade 3.

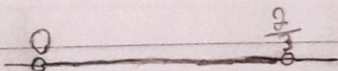
a) $[0, 2] \cap [1, 3]$



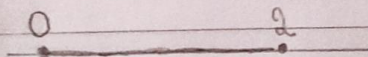
b) $[0, 2] \cap]1, 3[$



c) $] -1, \frac{2}{3}[\cap]0, \frac{4}{3}[$



d) $] -\infty, 2[\cap]0, +\infty[$



Atividade 4.

a) $[-1, 3] \cup [0, 4] = [-1, 4]$

c) $[-1, 3] \cup [3, 5] = [-1, 5]$

b) $[-2, 1] \cup]0, 5[= [-2, 5[$

d) $[-\frac{1}{2}, 0[\cup]-\frac{3}{2}, -\frac{1}{4}] =]-\frac{3}{2}, 0[$

19/02/21

Atividade 5.

$$C_A^B = A - B = [0,5[\cup]1,3[= [0,1] \cup [3,5[$$