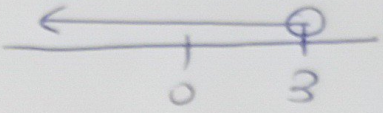
INTERVALOS

1. a) $]-8, 0]$

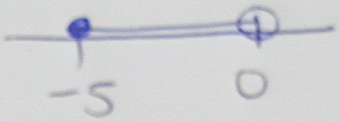
$\{x \in \mathbb{R} / -8 < x \leq 0\}$

b) $]-\infty, 3[$



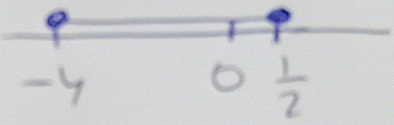
$\{x \in \mathbb{R} / x < 3\}$

c) $[-5, 0[$



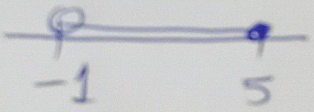
$\{x \in \mathbb{R} / -5 \leq x < 0\}$

d) $\left[-4, \frac{1}{2}\right]$



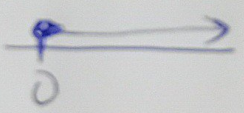
$\left\{x \in \mathbb{R} / -4 \leq x \leq \frac{1}{2}\right\}$

e) $]-1, 5]$



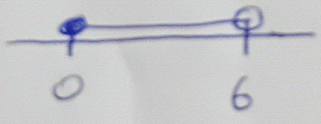
$\{x \in \mathbb{R} / -1 < x \leq 5\}$

f) $[0, \infty[$



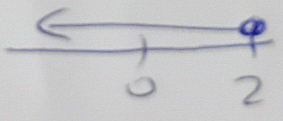
$\{x \in \mathbb{R} / x \geq 0\}$

g) $[0, 6[$

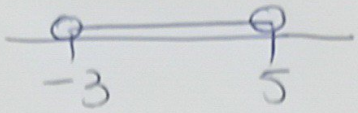


$\{x \in \mathbb{R} / 0 \leq x < 6\}$

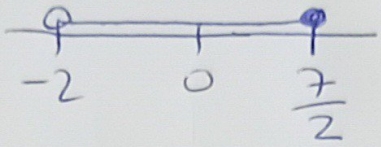
h) $]-\infty, 2]$



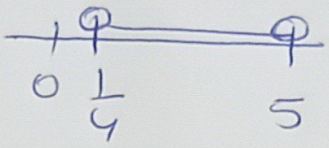
$\{x \in \mathbb{R} / x \leq 2\}$

i) $]-3,5[$ 

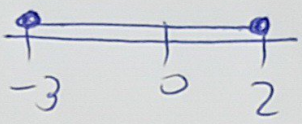
$\{x \in \mathbb{R} / -3 < x < 5\}$

j) $]-2, \frac{7}{2}]$ 

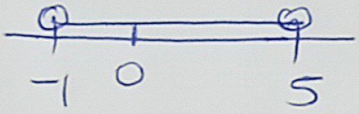
$\{x \in \mathbb{R} / -2 < x \leq \frac{7}{2}\}$

k) $]\frac{1}{4}, 5[$ 

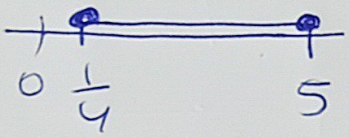
$\{x \in \mathbb{R} / \frac{1}{4} < x < 5\}$

e) $[-3, 2]$ 

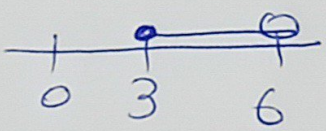
$\{x \in \mathbb{R} / -3 \leq x \leq 2\}$

m) $]-1, 5[$ 

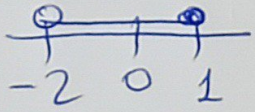
$\{x \in \mathbb{R} / -1 < x < 5\}$

n) $[\frac{1}{4}, 5]$ 

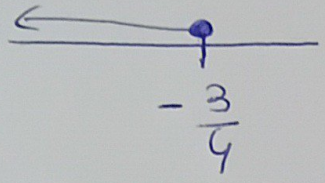
$\{x \in \mathbb{R} / \frac{1}{4} \leq x \leq 5\}$

o) $[3, 6[$ 

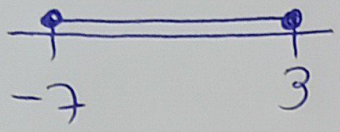
$\{x \in \mathbb{R} / 3 \leq x < 6\}$

p) $]-2, 1]$ 

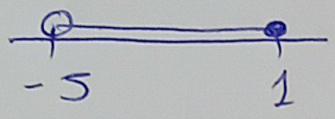
$\{x \in \mathbb{R} / -2 < x \leq 1\}$

a) 

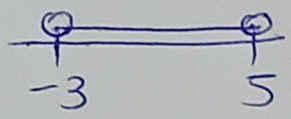
$]-\infty, -\frac{3}{4}]$ $\quad \{x \in \mathbb{R} / x \leq -\frac{3}{4}\}$

b) 

$[-7, 3]$ $\quad \{x \in \mathbb{R} / -7 \leq x \leq 3\}$

c) 

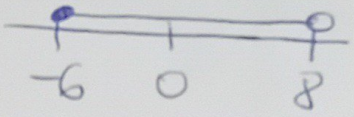
$]-5, 1]$ $\quad \{x \in \mathbb{R} / -5 < x \leq 1\}$

d) 

$]-3, 5[$ $\quad \{x \in \mathbb{R} / -3 < x < 5\}$

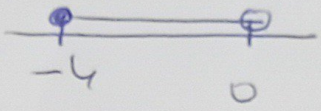
(37)

a) $-6 \leq x < 8$



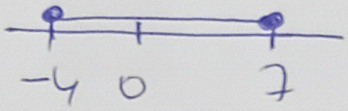
$[-6, 8[$

b) $-4 \leq x < 0$



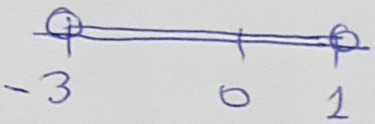
$[-4, 0[$

c) $-4 \leqslant x \leqslant 7$



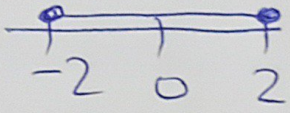
$[-4, 7]$

d) $-3 < x < 1$



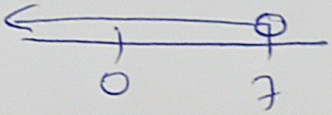
$]-3, 1[$

e) $-2 \leqslant x \leqslant 2$



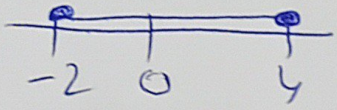
$[-2, 2]$

f) $x < 7$



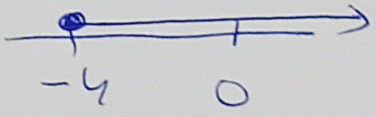
$]-\infty, 7[$

g) $-2 \leqslant x \leqslant 4$

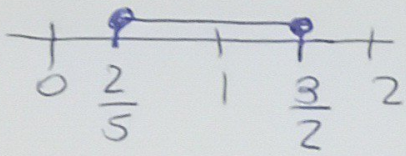


$[-2, 4]$

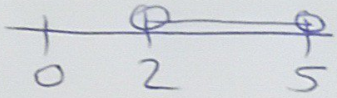
h) $x \geqslant -4$



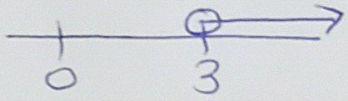
$[-4, \infty[$

i) $\frac{2}{5} \leq x \leq \frac{3}{2}$ 

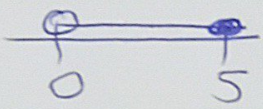
$\left[\frac{2}{5}, \frac{3}{2}\right]$

j) $2 < x < 5$ 

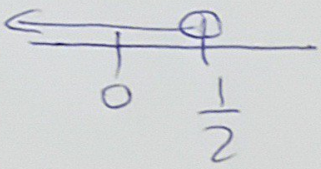
$]2, 5[$

k) $x > 3$ 

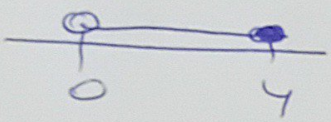
$]3, \infty[$

l) $0 < x \leq 5$ 

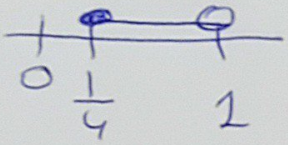
$]0, 5]$

m) $x < \frac{1}{2}$ 

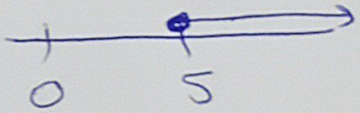
$]-\infty, \frac{1}{2}[$

n) $0 < x \leq 4$ 

$]0, 4]$

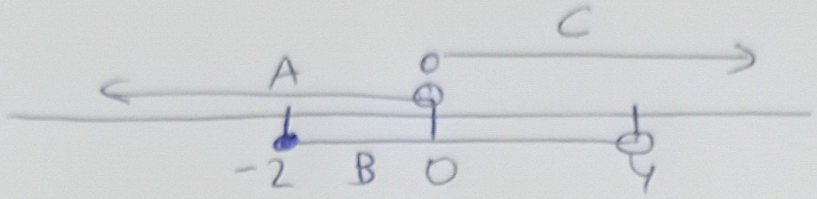
o) $\frac{1}{4} \leq x < 1$ 

$\left[\frac{1}{4}, 1\right[$

p) $x \geq 5$ 

$[5, \infty[$

a) $A =]-\infty, 0[$ $B = [-2, 4[$ $C =]0, \infty[$



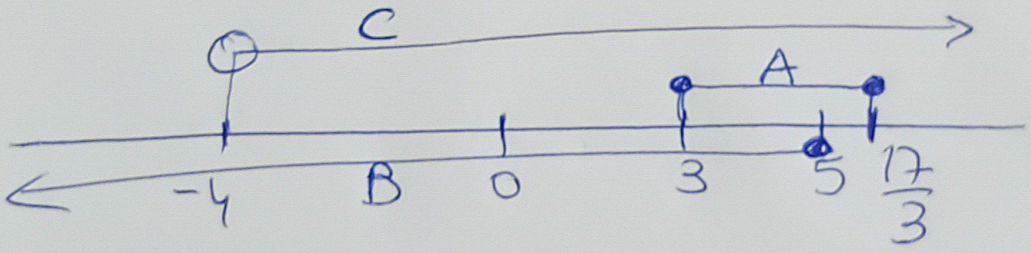
$A \cup B =]-\infty, 4[$

$A \cap B = [-2, 0[$

$A \cap B \cap C = \emptyset$

$A \cup B \cup C =]-\infty, \infty[$

b) $A = \left[3, \frac{17}{3}\right]$ $B =]-\infty, 5]$ $C =]-4, \infty[$



$(A \cup B) \cap C =]-\infty, \frac{17}{3}] \cap C =]-4, \frac{17}{3}]$

$A \cap B \cap C = [3, 5]$

$A \cup B \cup C =]-\infty, \infty[$