Matemática básica AD1

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1-

a) $A = \{0.2, 2.6, 1.7\}$
b) $A = \{1.2, 0.3, 2.1\}$
c) $A = \{1.9, 1.5, 2.2\}$

2-

a) $A = \{1, 1.2, 1.4, 1.6, 1.8, 2\}$
b) $A = \{1, 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 1.8, 1.9, 2\}$
c) $A = \{1, 1.001, 1.002, \ldots, 1.998, 1.999, 2\}$
d) $A = \{1, 3\}$
e) $A = \{1, 78\}$
f) $A = \{1.90\}$

3-

a) $3x < 1 = x < 1/3$
b) $x < 1/4 = 0,25$
c) $3/10 = 0,3$ $\sqrt{0,3} = 0,54$ Logo $S = \{x \in \mathbb{R} / x = 0,54\}$
d) $3x > 1 = x < 1/3 = 0,333\ldots$

4-

$1/5 < 1/4 < \sqrt{3}/5 < 2/5 < \sqrt{3}/4 < 2/4$

Logo se $\sqrt{3}/4 < x < \sqrt{3}/5$, $x = 2/5$

5.

a) $\{x \in \mathbb{N} : x = 7\}$

b) $\{x \in \mathbb{Z} : x > -2 \text{ e } x < 6\}$

c) $A = \{\emptyset\}$

d) $\{x \in \mathbb{R} : x \leq -1 \text{ e } x \leq 1\}$

e) $]-\infty, -1[\cup]-\infty, 1[$

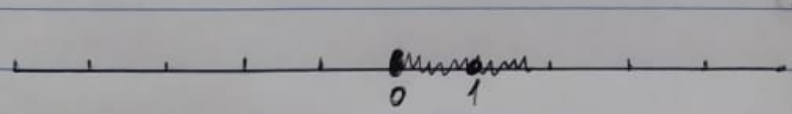
f) $\{x \in \mathbb{R} : x \geq 1 \text{ e } x \leq 4\}$

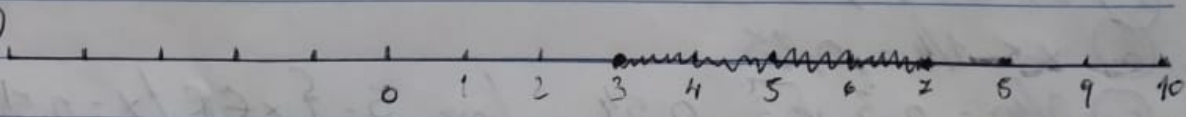
6. a) $13/20 = 0,65$ $\quad 2450 \cdot 0,65 = 1592,5$

b) $10340 \quad 65$
$x \quad 100$
$65x = 1034000$
$x = 1034000/65 = 15907,69$

c) 65%

7.

a)


b)


c)