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1-

a)  $A = \{0.2, 2.6, 1.4\}$

b)  $A = \{1.2, 0.3, 2.1\}$

c)  $A = \{1.9, 1.5, 2.2\}$

2-

a)  $A = \{1, 1.1, 1.4, 1.6, 1.8, 2\}$

b)  $A = \{1, 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 1.8, 1.9, 2\}$

c)  $A = \{1, 1.001, 1.002, \dots, 1.998, 1.999, 2\}$

d)  $A = \{1, 3\}$

e)  $A = \{1, 48\}$

f)  $A = \{1.90\}$

3-

a)  $3x < 1 \Rightarrow x < 1/3$

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)  $3x > 1 \Rightarrow x > 1/3 = 0.333\dots$

4-

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

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

5.

a.  $\{x \in \mathbb{N} : x = 4\}$

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

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

d.  $\{x \in \mathbb{R} : x < -1 \text{ e } x < 1\}$

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

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

6-a.  $13/20 = 0,65$

$2450 \cdot 0,65 = 1592,5$

b.  $\begin{array}{r} 10340 \\ \times \end{array} \begin{array}{r} 65 \\ 100 \end{array}$

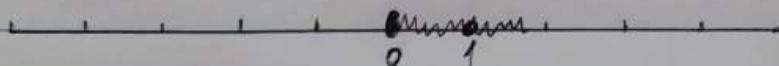
$65x = 1034000$

$x = 1034000/65 = 15907,69$

c. 65%

4.

a.



b.



c.

