Practice quiz on the Number Line, including Inequalities

NÚMERO TOTAL DE PONTOS 8

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1. Which of the following real numbers is **_not_** an integer?

   1 ponto

   - ◉ 4.3
   - ○ 7
   - ○ 0
   - ○ −3

2. Which of the following is the absolute value $|-7|$ of the number -7?

   1 ponto

   - ○ −7
   - ○ 0
   - ○ 1
   - ◉ 7

3. Suppose I tell you that x and y are two real numbers which make the statement $x < y$ true. Which pair of numbers **_cannot_** be values for x and y?

   1 ponto

   - ◉ $x = 5$ and $y = 3.3$
   - ○ $x = -1$ and $y = 0$
   - ○ $x = 1$ and $y = 7.3$
   - ○ $x = -17.3$ and $y = -17.1$

4. Suppose I tell you that w is a real number which makes both of the following statements true: $w > 1$ and $w < 1.2$. Which of the following numbers could be w?

   1 ponto

○ $w = 0$

○ $w = 11$

◉ $w = 1.05$

○ $w = 1.2$

5. Suppose that x and y are two real numbers which satisfy $x + 3 = 4y + 1$ 1 ponto
. **Which of the following statements are false?**

○ $2x + 6 = 8y + 2$

◉ $x = 4y$

○ $x + 2 = 4y$

○ $x = 4y - 2$

6. Which of the following real numbers is in the open interval $(2, 3)$?   1 ponto

○ 1

○ 3

◉ 2.1

○ 2

7. Which of the following real numbers are in the open ray $(3.1, \infty)$?   1 ponto

○ 0

○ 3.1

◉ 4.75

○ −5

8. Which of the following values for x solves the equation $-3x + 2 = -4$

1 ponto

- ○ x=\begin {align}\frac {2} {3}\end {align}

- ○ $x = -2$

- ○ All values of x such that $x \leq 2$

- ● $x = 2$

☐ Eu compreendo que enviar um trabalho que não seja meu pode resultar em fracasso permanente deste curso ou desativação de minha conta do Coursera.

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