Practice quiz on the Cartesian Plane

NÚMERO TOTAL DE PONTOS 5

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1. Which of the following points in the Cartesian Plane is on the y-axis?

   `1 ponto`

   ○ $(-5, 0)$

   ○ $(1, 1)$

   ○ $(5, 0)$

   ⦿ $(0, -5)$

2. Find the distance between the points $A = (2, 2)$ and $C = (3, 3)$:

   `1 ponto`

   ⦿ $\sqrt{2}$

   ○ 1

   ○ 0

   ○ 2

3. Find the point-slope form of the equation of the line that goes between $A = (1, 1)$ and $B = (5, 3)$:

   `1 ponto`

   ⦿ y = \begin {align}\frac12 x \end {align}

   ○ y - 1 =\begin {align} \frac12(x-1)\end {align}

   ○ y -1 = \begin {align} \frac12(x-5)\end {align}

   ○ y-3 =\begin {align}\frac12(x-1)\end {align}

4. Which of the following points is on the line with equation:

   `1 ponto`

   $$y - 1 = 2(x - 2)?$$

   ○ $(3, 2)$

◉ $(2, 1)$

○ $(2, 3)$

○ $(0, 0)$

5. Suppose that a line ℓ has slope 2 and goes through the point $(-1, 0)$. What is the y-intercept of ℓ?

    (1 ponto)

○ 2

◉ -1

○ 0

○ 1

☐ 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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