# 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

   ○ $(1, 1)$

   ○ $(-5, 0)$

   ◉ $(0, -5)$

   ○ $(5, 0)$

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

   1 ponto

   ◉ $\sqrt{2}$

   ○ $0$

   ○ $1$

   ○ $2$

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-5)\end {align}

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

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

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

   1 ponto

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

   ◉ $(2, 1)$

○ $(0,0)$

○ $(3,2)$

○ $(2,3)$

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

◉ 2

○ 0

○ 1

○ $-1$

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☐ 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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