



Congratulations! You passed!

TO PASS 75% or higher

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Practice quiz on the Cartesian Plane

TOTAL POINTS 5

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

1 / 1 point

- ☐ $(5, 0)$
- ☒ $(0, -5)$
- ☐ $(1, 1)$
- ☐ $(-5, 0)$



Correct

The y -axis is defined to be all points in the Cartesian plane with zero as x -coordinate. The point $(0, -5)$ meets that requirement.

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

1 / 1 point

- ☐ 0
- ☒ $\sqrt{2}$
- ☐ 2
- ☐ 1



Correct

Recall that the distance between points (a, b) and (c, d) is $\sqrt{(c - a)^2 + (d - b)^2}$.

In this case $(a, b) = (2, 2)$ and $(c, d) = (3, 3)$, so the distance is $\sqrt{(3 - 2)^2 + (3 - 2)^2} = \sqrt{2}$.

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

1 / 1 point

- ☐ $y - 1 = \frac{1}{2}(x - 5)$
- ☒ $y - 1 = \frac{1}{2}(x - 1)$
- ☐ $y - 3 = \frac{1}{4}(x - 1)$