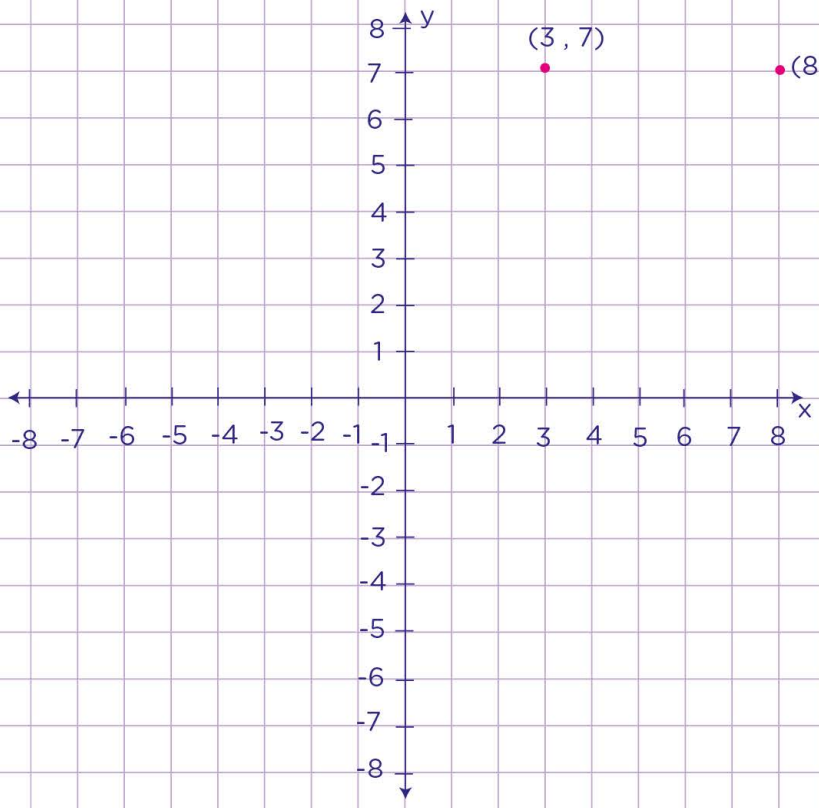
Name: ..... Class: .....

Distance between two points

1. Find the distance between the points (8 , 7) and (3, 7).



2. Given the points (70 , 9) and (-16 , 9). Find the distance between the points.

☐ 86 ☐ 86 units ☐ 54 units ☐ 54

3. Given the points (-40 , 30) and (2 , 30) find the distance between the points.

☐ -44 units ☐ -38 units ☐ 38 ☐ 42 units

4. Find the distance between the points (-21 , -17) and (-21, -27).

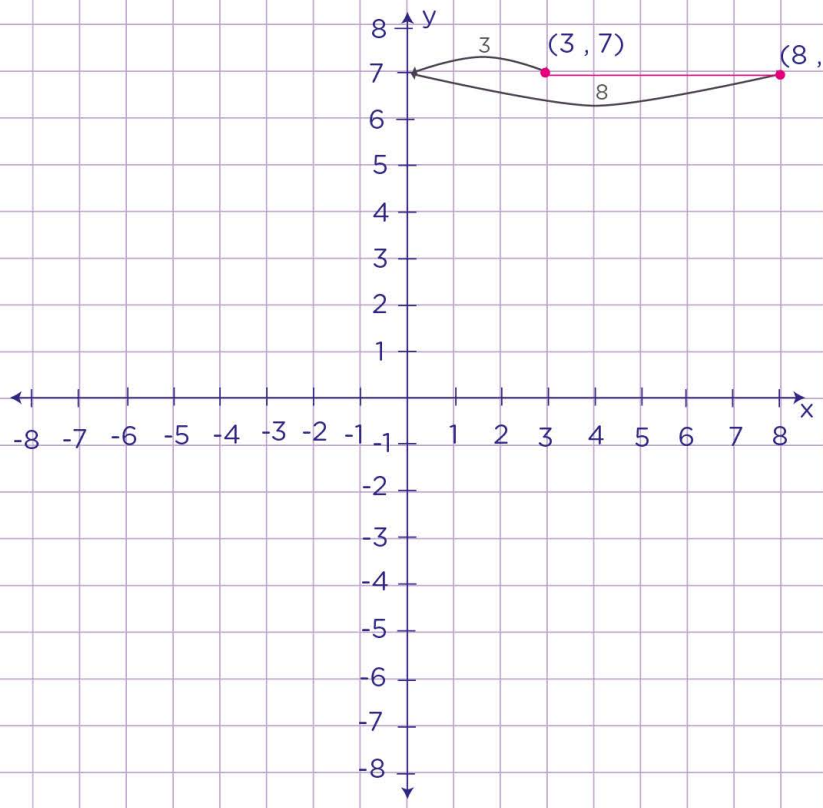
☐ -44 units ☐ -10 ☐ 10 units ☐ - 10 units

Solution

Name: ..... Class: .....

Distance between two points

1. Find the distance between the points (8 , 7) and (3, 7).



The x-coordinate of (8 , 7) is 8, so, this point is 8 units from the y-axis.

The x-coordinate of (3, 7) is 3, so this point is 3 units from the y-axis.

Thirdly, the length of the line segment that connects the points is the difference in the distance between 8 and 3.

So, 8-3 = 5 gives the length of the line segment.

Fourthly, the distance between (3, 7) and (8 , 7) is 5 units.

2. Given the points (70 , 9) and (-16 , 9). Find the distance between the points.

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3. Given the points (-40 , 30) and (2 , 30) find the distance between the points.

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