Math Practice - Grade 6

M6 The coordinate plane - Draw a polygon and find a side length

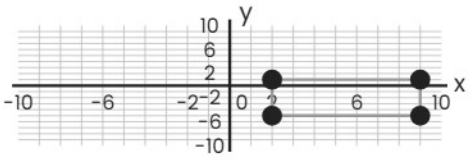
M6 6.NS.C.8, 6.G.A.3

Name: _____ Date: _____

Plot the vertices and join them in order. Find the length of the side the question asks for.

Example: Plot the vertices (2, -5), (9, -5), (9, 1), (2, 1) and join them in order. Find the length of the side from (2, 1) to (2, -5).

How: Join the vertices in the order given, or the shape will cross itself. A side with the same first coordinate is vertical, and its length is the difference of the second coordinates.



6

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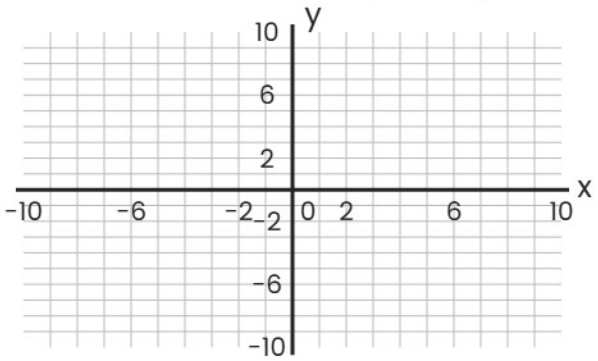
1 **Plot the vertices (-4, -3), (0, -3), (0, 0), (-4, 0) and join them in order. Find the length of the side from (0, -3) to (0, 0).**



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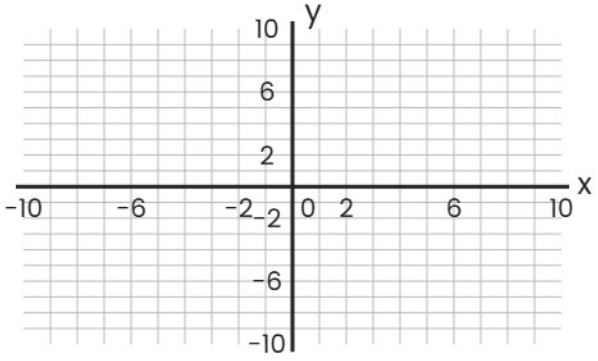
2 **Plot the vertices (-1, 2), (4, 2), (4, 9) and join them in order. Find the length of the side from (-1, 2) to (4, 2).**



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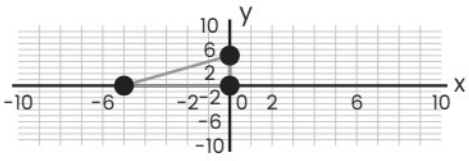
Name: _____ Date: _____

Plot the vertices and join them in order. Find the length of the side the question asks for.

Example: Plot the vertices (-5, 0), (0, 0), (0, 5) and join them in order. Find the length of the side from (-5, 0) to (0, 0).

How: Join the vertices in the order given, or the shape will cross itself. A side with the same first coordinate is vertical, and its length is the difference of the second coordinates.



5

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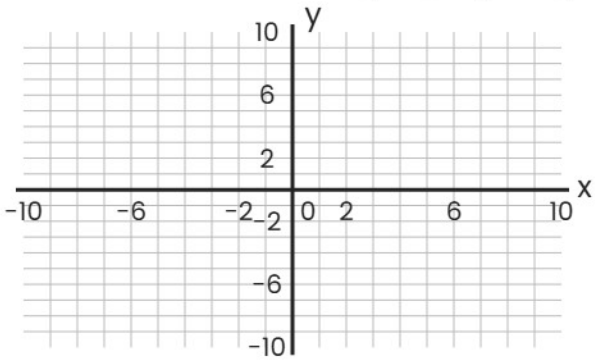
1 **Plot the vertices (-3, 2), (2, 2), (2, 5), (-3, 5) and join them in order. Find the length of the side from (-3, 5) to (-3, 2).**



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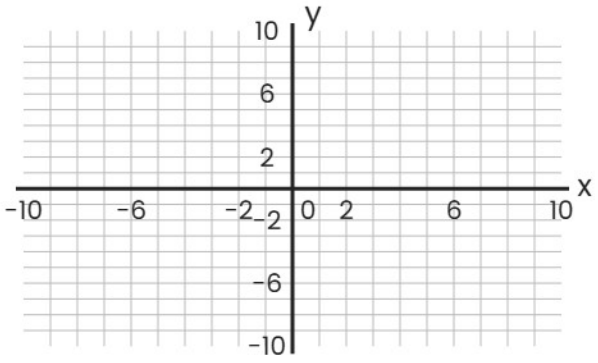
2 **Plot the vertices (-6, 2), (0, 2), (0, 6), (-6, 6) and join them in order. Find the length of the side from (-6, 6) to (-6, 2).**



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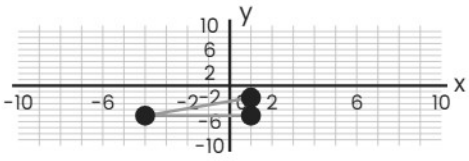
Name: _____ Date: _____

Plot the vertices and join them in order. Find the length of the side the question asks for.

Example: Plot the vertices (-4, -5), (1, -5), (1, -2) and join them in order. Find the length of the side from (1, -5) to (1, -2).

How: Join the vertices in the order given, or the shape will cross itself. A side with the same first coordinate is vertical, and its length is the difference of the second coordinates.



3

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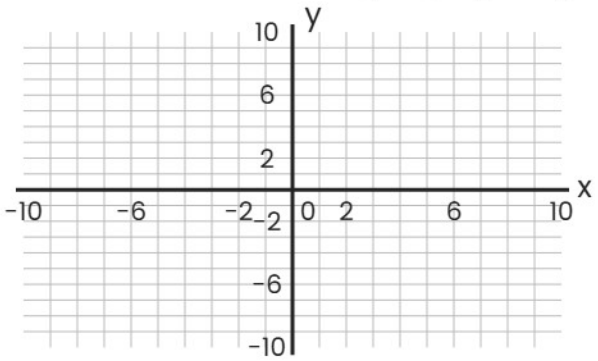
1 **Plot the vertices (-5, 1), (-1, 1), (-1, 7), (-5, 7) and join them in order. Find the length of the side from (-5, 7) to (-5, 1).**



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2 **Plot the vertices (2, -2), (9, -2), (9, 4) and join them in order. Find the length of the side from (9, -2) to (9, 4).**

