

Grade 6 geometry test

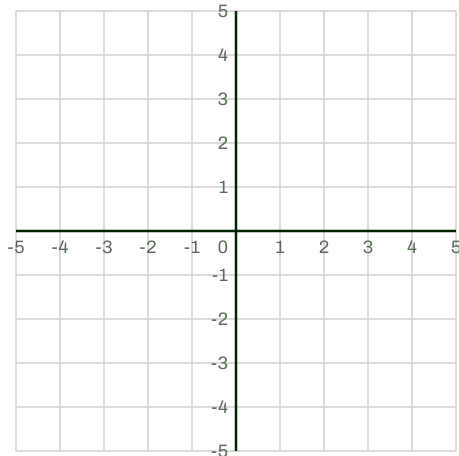
NAME	DATE	SCORE / 4
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Answer each question. Show your work.

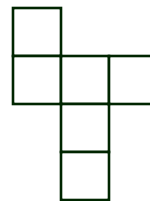
- 1 What is the distance, in units, between the points $(-6, 5)$ and $(-6, -3)$ on a coordinate plane?

- 2 The point $(6, -3)$ is reflected across the y -axis. What are the coordinates of the image of the point?

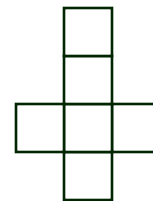
- 3 Plot the point $(-5, 4)$ on the coordinate plane shown below.



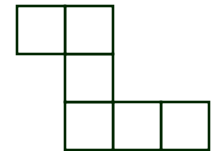
- 4 Each of the shapes below is made of six squares. Which shape will not fold into a cube?



1



2



3

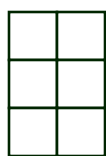
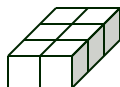
☐ 1 ☐ 2 ☐ 3

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NAME	DATE	SCORE / 2
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Answer each question. Show your work.

- 5 The solid above the numbered drawings is made of unit cubes. Which numbered drawing shows the side view of the solid?



1



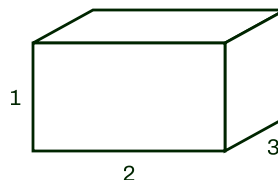
2



3

☐ 1 ☐ 2 ☐ 3

- 6 The box below is 2 units long, 3 units wide and 1 unit tall. Each square on the grid is 1 unit long. Draw a net for the box on the grid.



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1

8

4

3

2

(-6, -3)

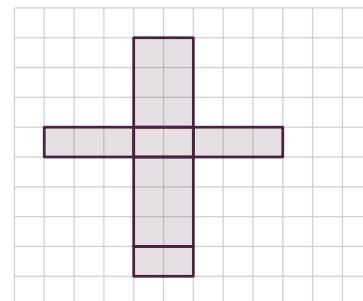
5

2

3

-5,4

6



Six rectangles joined edge to edge: two 2 by 3, two 2 by 1 and two 3 by 1, arranged so they fold into the box. Any layout that folds closed with no gaps or overlaps counts; matching edges must be the same length.