**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Geometry (8.G.1c)**

Parallelogram *WXYZ* is shown on the coordinate plane.



Parallelogram *W’X’Y’Z’* (not shown) is the reflection of parallelogram across the y-axis. Which statement is true?

|  |  |
| --- | --- |
| Choose yes or no | Explain your thinking |
| A. $\overbar{W'X'}$ is parallel to $\overbar{W'Z'}$ Yes or No |  |
| B.$ \overbar{W'X'}$ is parallel to $\overbar{Z'Y'}$  Yes or No |  |
| C. $\overbar{W'X'}$ is perpendicular to $\overbar{W'Z'}$  Yes or No |  |
| D. $\overbar{W'X'}$ is perpendicular to $\overbar{Z'Y'}$  Yes or No |  |

Source: <https://assessmentresource.org/wp-content/uploads/2019/08/Grade-8-Math-Item-Set-2018.pdf>

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