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

**Expressions and Equations (8.EE.8b)**

$$\left\{\begin{array}{c} 4x-y=6\\-4x+y=8\end{array}\right.$$

Which statement correctly describes the system of equations shown?

|  |  |
| --- | --- |
| Choose yes or no | Explain your thinking |
| A. The system has no solution because the graph of the system represents the same line. Yes or No |  |
| B. The system has no solution because the graph of the system represents parallel lines.  Yes or No |  |
| C. The system has infinitely many solutions because the graph of the system represents the same line.   Yes or No |  |
| D. The system has infinitely many solutions because the graph of the system represents parallel lines.   Yes or No |  |

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

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