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

**Congruence (G.CO.3)**

Octagon *PQRSTVWZ* is a regular octagon with its center at point *C*.



Which transformation will map octagon *PQRSTVWZ* onto itself?

Select each correct transformation.

|  |  |  |
| --- | --- | --- |
| Statement | Yes or No | Explain your thinking |
| Reflecting over $\overbar{QV}$ |  |  |
| Reflecting over $\overbar{RW}$ |  |  |
| Reflecting over $\overbar{TZ}$ |  |  |
| Rotating 45° clockwise around point *Z* |  |  |
| Rotating 135° clockwise around point *C* |  |  |
| Rotating 90° counterclockwise around point *C* |  |  |

Source:

<https://assessmentresource.org/wp-content/uploads/2019/07/Integrated_Math_1_EOY_Item_Set-1.pdf>

HS Integrated Math I 2015 EOY, Item VF798931