GCSE Maths Question of the Week

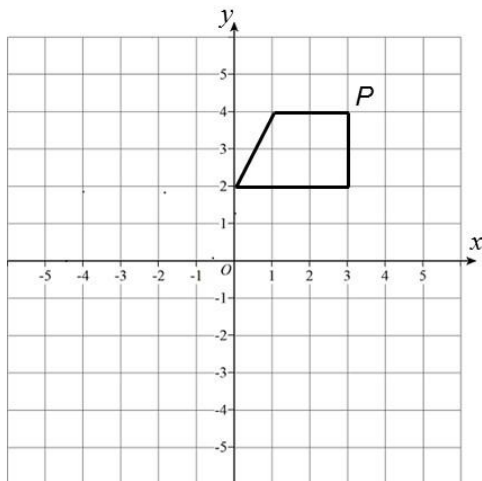Name ....

Shape *P* is transformed so that exactly one vertex is invariant.

Which transformation could have been used?

A   Reflection in $y = 2$

B   Rotation through 180°, centre (2, 0)

C   Enlargement, scale factor –2, centre (3, 2)

D   Translated by $\begin{pmatrix} 0 \\ -2 \end{pmatrix}$

Your answer:

A   B   C   D

Try the question online:

Try the quiz online:

I think this is the answer because...

Why might students choose each of the other 3 answers?

What other incorrect answer would you add to this question and why?

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For an online video discussion of the answer and data on how many people around the world get it right, just go to www.mrbartonmaths.com/students/gcse/question-of-the-week