



Exit Ticket W6 - Invariance

Name:

Date:

AQA
Realising potential

Triangle P is reflected so that exactly two vertices are invariant.

Which line could P have been reflected in?

- A x -axis
- B $x = 1$
- C y -axis
- D $y = 1$

Copyright © AQA and its licensors. All rights reserved.

Correct Answer: A B C D

Explanation:

.....

.....

.....

.....

.....

.....

AQA
Realising potential

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

Which transformation could have been used?

- A Reflection in $x = 3$
- B Rotation through 180° , centre $(1, 0)$
- C Enlargement, scale factor -2 , centre $(3, 4)$
- D Translated by $\begin{pmatrix} 0 \\ 3 \end{pmatrix}$

Copyright © AQA and its licensors. All rights reserved.

Correct Answer: A B C D

Explanation:

.....

.....

.....

.....

.....

.....

AQA
Realising potential

A point is reflected in the line $y = 4 - 3x$.

The point is invariant.

Which is the point?

A	B	C	D
$(-1, 7)$	$(2, 2)$	$(7, -1)$	$(3, -6)$

Copyright © AQA and its licensors. All rights reserved.

Correct Answer: A B C D

Explanation:

.....

.....

.....

.....

.....

.....