

Mixed transformations: perform

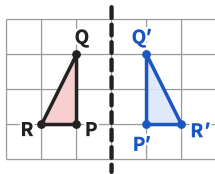
Exit ticket **ANSWERS** Name _____

- 1 **Reflect** the shape in the mirror line.

1 (reflect) / rotate / translate

2 squares to the line P Q R

3 Draw the new shape.

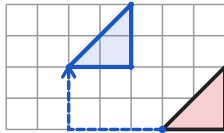


- 2 **Translate** the shape by $\begin{pmatrix} -3 \\ 2 \end{pmatrix}$.

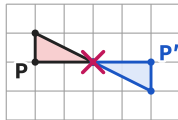
1 reflect / rotate / (translate)

2 right / (left) up / down

3 Draw the new shape.



- 3 **Rotate** the shape 180° about the cross.



The Maths Habit

Mixed transformations: perform

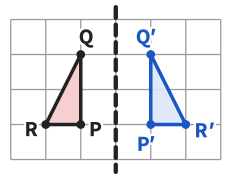
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- 1 **Reflect** the shape in the mirror line.

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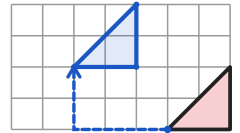


- 2 **Translate** the shape by $\begin{pmatrix} -3 \\ 2 \end{pmatrix}$.

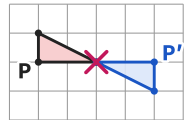
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- 3 **Rotate** the shape 180° about the cross.



The Maths Habit

Mixed transformations: perform

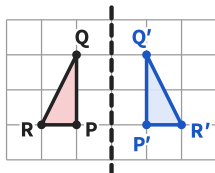
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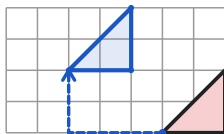


- 2 **Translate** the shape by $\begin{pmatrix} -3 \\ 2 \end{pmatrix}$.

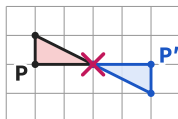
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The Maths Habit

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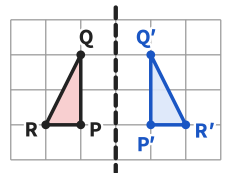
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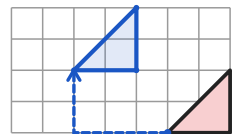


- 2 **Translate** the shape by $\begin{pmatrix} -3 \\ 2 \end{pmatrix}$.

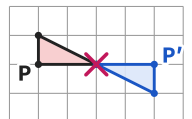
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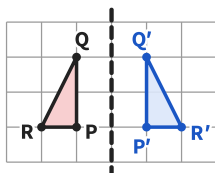
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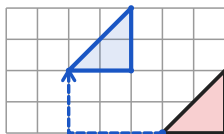


- 2 **Translate** the shape by $\begin{pmatrix} -3 \\ 2 \end{pmatrix}$.

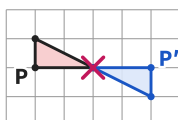
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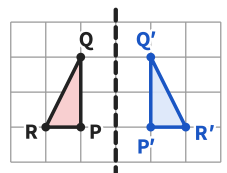
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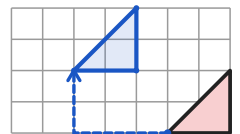


- 2 **Translate** the shape by $\begin{pmatrix} -3 \\ 2 \end{pmatrix}$.

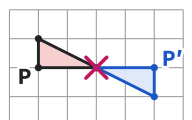
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