

SLO: I can identify and perform translations.

Problems worthy of attack prove their worth by fighting back. —Piet Hein THE ROAD TO WISDOM? Well, it's plain and simple to express. Err and err and err again, but less and less and less. —Piet Hein.

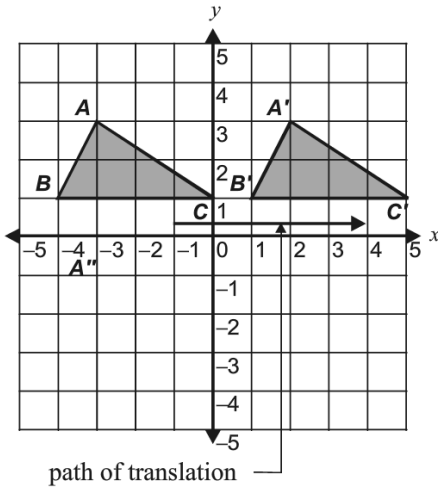
VOCABULARY (have your vocabulary sheet out EVERY day)

(1) TO DO: Use the links on my website to define and illustrate the following terms on the vocabulary sheet. If you do not have access to the website, use a geometry textbook (glossary and index) to define and illustrate them.

Transformation	Image	Pre-image	Translation
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(2) TO DO: For each diagram, (A) describe the transformation (include prime notation and the words translation, image and pre-image) (B) Write the coordinate notation, and (C) Write the short notation.

EXAMPLE

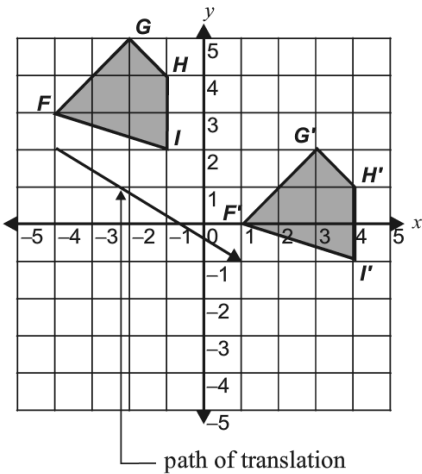


(A) The preimage, $\triangle ABC$, was translated right 5 units resulting in the image, $\triangle A'B'C'$

(B) $(x + 5, y)$

(C) $T_{5,0}$

1)

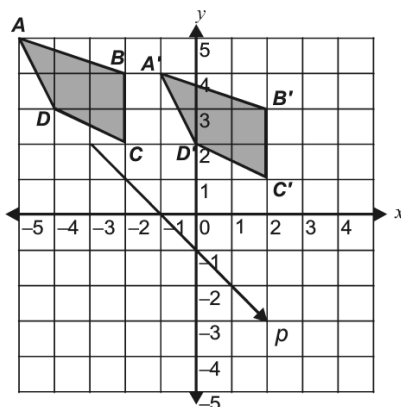


(A) _____

(B) _____

(C) _____

2)



(A) **Ignore arrow P** and describe the translation from ABCD to A'B'C'D' _____

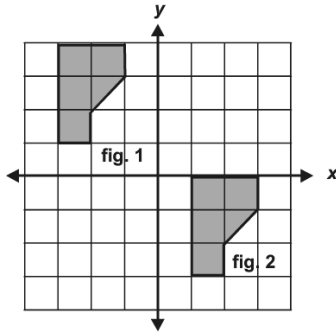
(B) _____

(C) _____

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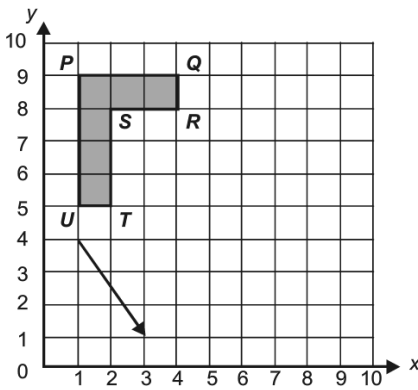
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3) Label figure 1 vertices SPIDER



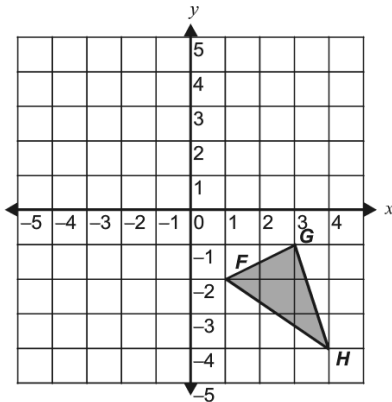
- (A) _____
- _____
- _____
- _____
- (B) _____
- (C) _____

4) Draw the image



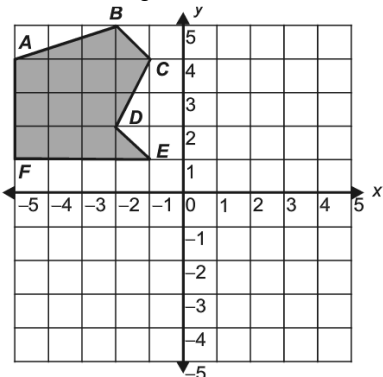
- (A) Translate PQRSTU down 5 right 4.
- (B) _____
- (C) _____

5) Draw the image



- (A) _____
- _____
- _____
- _____
- (B) $(x - 3, y + 6)$
- (C) _____

6) Draw the image



- (A) _____
- _____
- _____
- _____
- (B) _____
- (C) $T_{2, -4}$