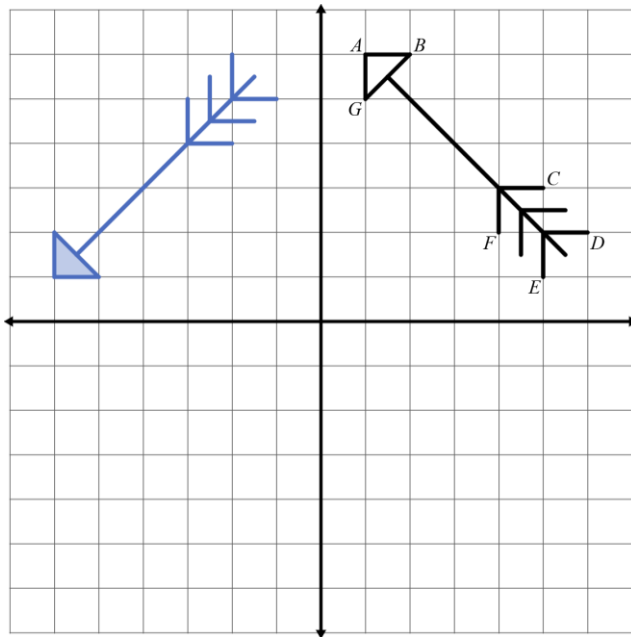


TRIBAL TRANSFORMATIONS

Question 1

Below is an arrow symbol from a Plains-style quilt design. Quadrant I shows the unshaded preimage (*image 1*), and Quadrant II shows *image 2*. Label the corresponding points on *image 2* and complete the table below.



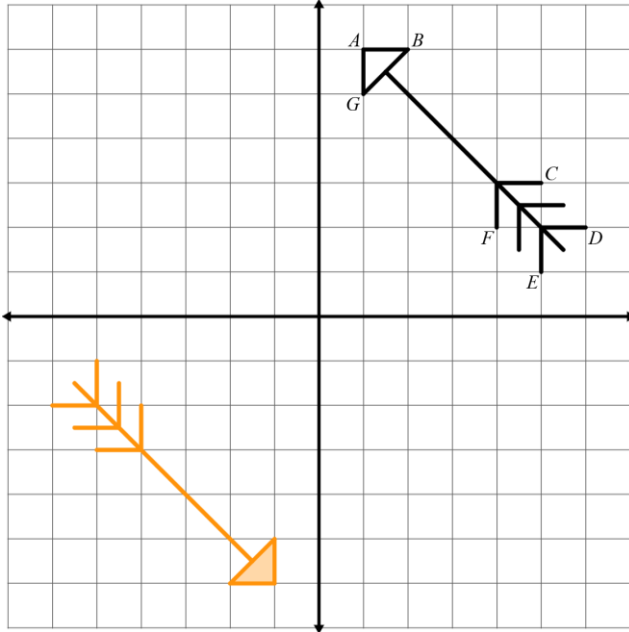
Preimage	Image 2
$A(1, 6)$	
$B(2, 6)$	
$C(5, 3)$	
$D(6, 2)$	
$E(5, 1)$	
$F(4, 2)$	
$G(1, 5)$	

- 1) Do your best to write an algebraic rule to describe the relationship between the preimage and *image 2*.

- 2) How would you describe what happened visually when the preimage was transformed into *image 2*?

Question 2

Quadrant I shows the unshaded preimage (*image 1*), Quadrant III shows *image 3*. Label the corresponding points on *image 3* and complete the table below.

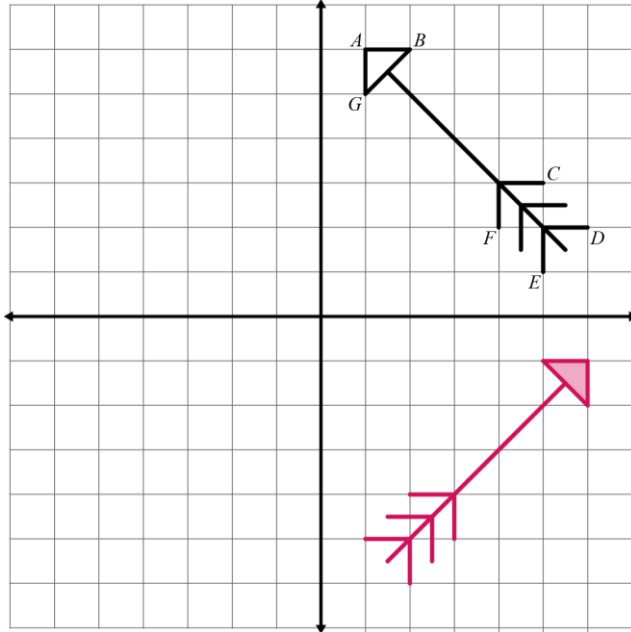


Preimage	Image 3
$A(1, 6)$	
$B(2, 6)$	
$C(5, 3)$	
$D(6, 2)$	
$E(5, 1)$	
$F(4, 2)$	
$G(1, 5)$	

- Do your best to write an algebraic rule to describe the relationship between the preimage and *image 3*.
- How would you describe what happened visually when the preimage was transformed into *image 3*?

Question 3

Quadrant I shows the unshaded preimage (*image 1*), and Quadrant IV shows *image 4*. Label the corresponding points on *image 4* and complete the table below.



Preimage	Image 4
$A(1, 6)$	
$B(2, 6)$	
$C(5, 3)$	
$D(6, 2)$	
$E(5, 1)$	
$F(4, 2)$	
$G(1, 5)$	

5) Do your best to write an algebraic rule to describe the relationship between the preimage and *image 4*.

6) How would you describe what happened visually when the preimage was transformed into *image 4*?