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.

| Diagram, engineering drawing  Description automatically generated | *Preimage* | *Image 2* |
| --- | --- | --- |
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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* |
| --- | --- | --- |
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3) Do your best to write an algebraic rule to describe the relationship between the preimage and *image 3*.

4) 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* |
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|  |  |

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*?