Leaping Lizards Observations

What is a Pre-image?

What is the Image?

Lazy Lizard – translation observations

Lunging Lizard – rotation observations

Leaping Lizard – reflection observations

How are these transformations similar?

How are they different?

|  |  |  |
| --- | --- | --- |
| Transformation | Rule/Notation | Characteristics |
| Translation given right/left h units, up/down k units |  |  |
| counterclockwise rotation about the origin |  |  |
| Clockwise rotation about the origin |  |  |
| Rotation about the origin |  |  |
| Reflection across the *y*-axis |  |  |
| Reflection across the *x*-axis |  |  |
| Reflection across the line |  |  |