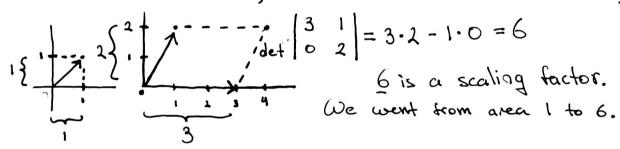
Jacobian

Jacobian matrix fundamentally represents what a transformation looks like when you zoom in, near a specific point.

Jacobian Determinant

This determines the area, mence the determinat is a scaling factor.



Linear Maps/Transformations

- 1. Parallel lines stay as parallel lines.
- 2. Even spacings are preserved.
- 3. Origin is fixed.