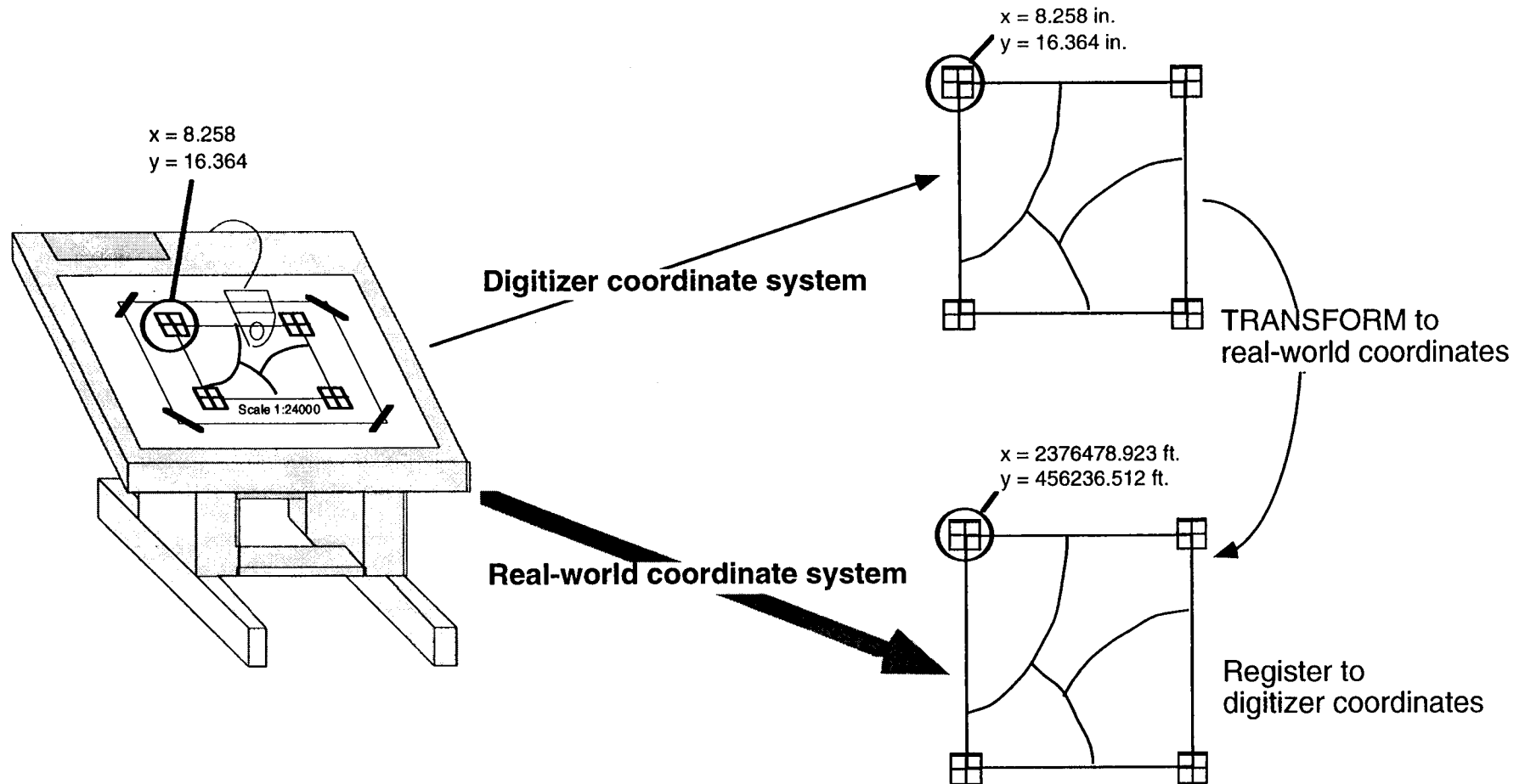
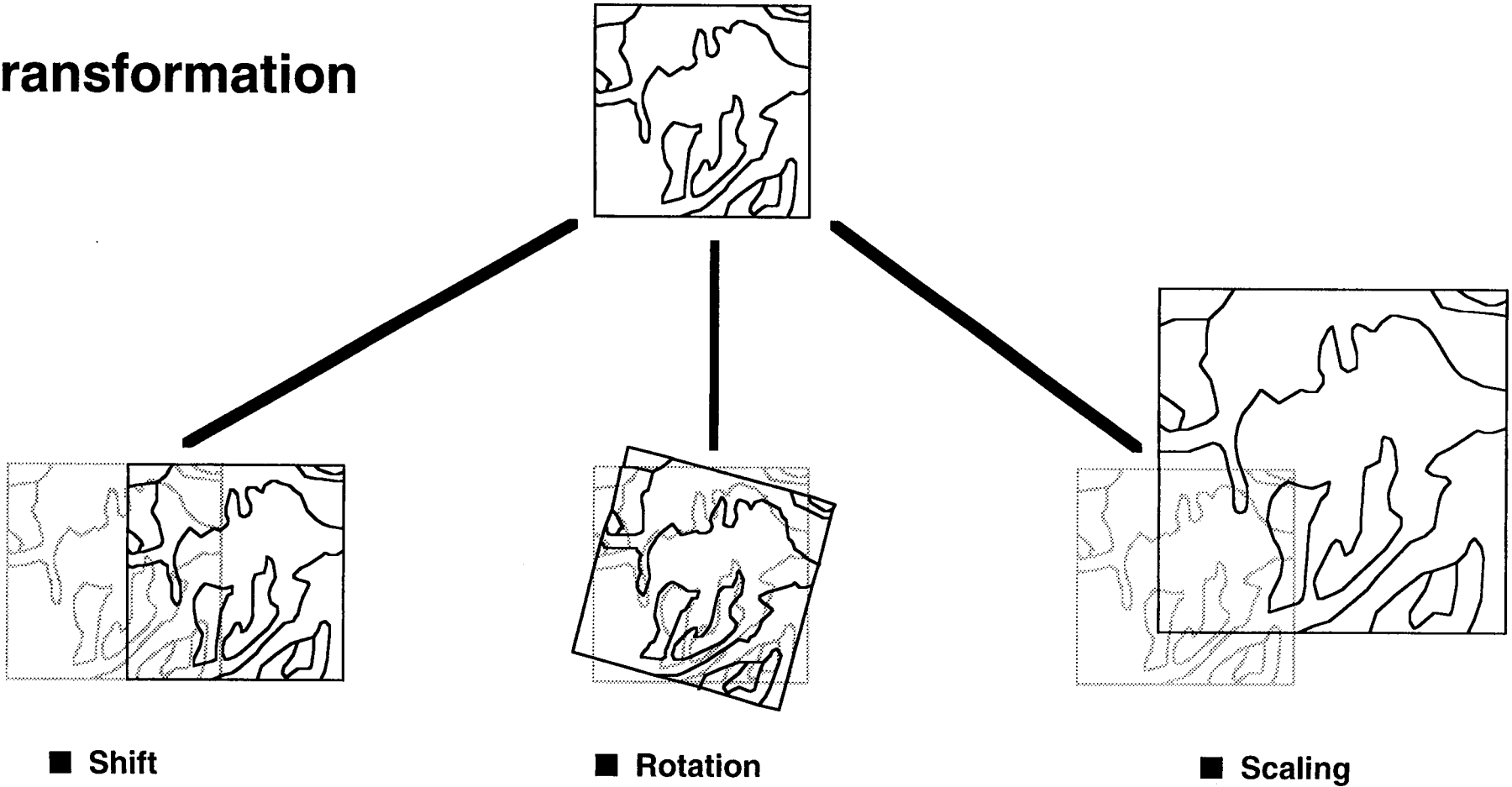


# Digitizing in digitizer units or real-world coordinates



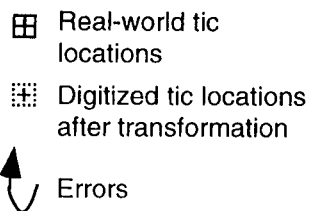
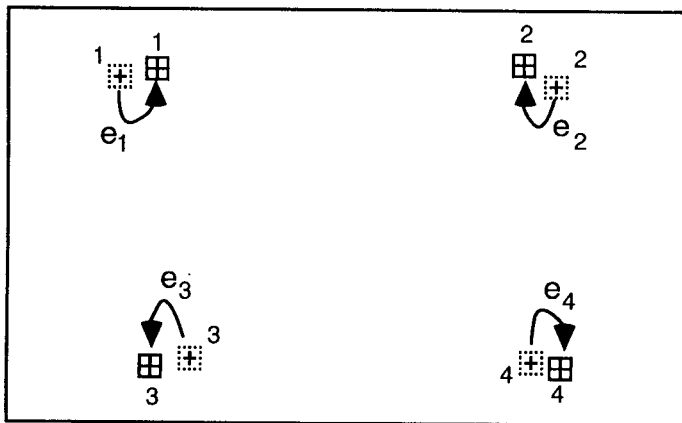
- Convert digitizer units to real-world units in the same projection as the source map

## Transformation



# RMS error

- Deviation between tic locations in the input coverage and those in the output coverage



- Output from transformation

RMS error ( input,output ) = (0.003, 3.746)

- RMS equation of the error

$$\text{RMS error} = \sqrt{\frac{e_1^2 + e_2^2 + e_3^2 + \dots + e_n^2}{n}}$$