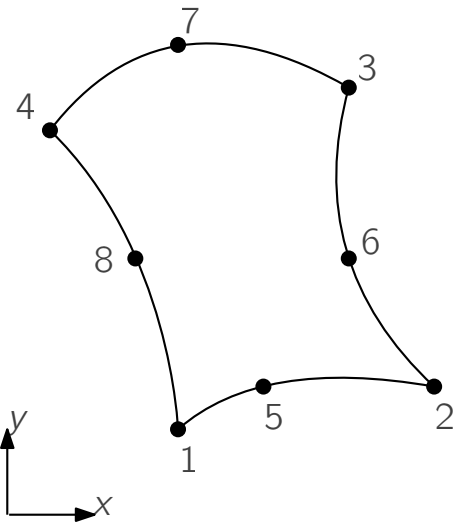
Real Space, $\vec{x}$



$$\frac{d}{d\tilde{x}} = J\frac{d}{d\vec{x}}$$

$$\frac{d}{d\vec{x}} = J^{-1}\frac{d}{d\tilde{x}}$$

$$\iint dxdy = \iint \det|J| d\eta d\zeta$$

Parametric Space, $\tilde{x}$