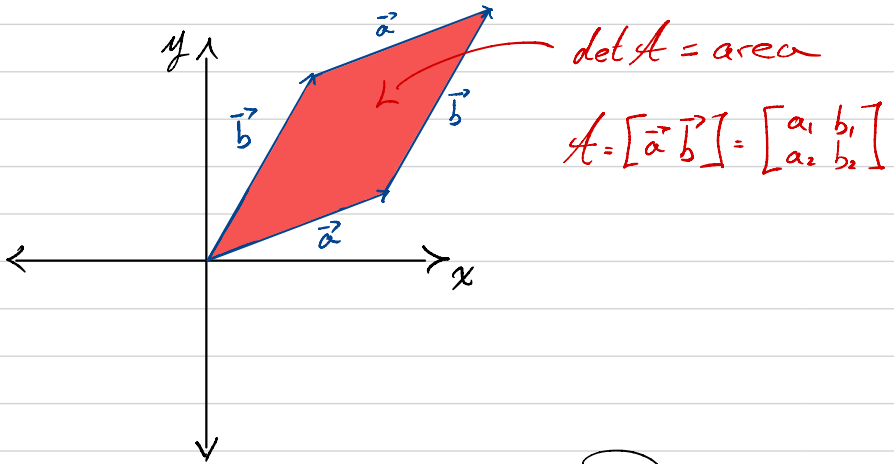
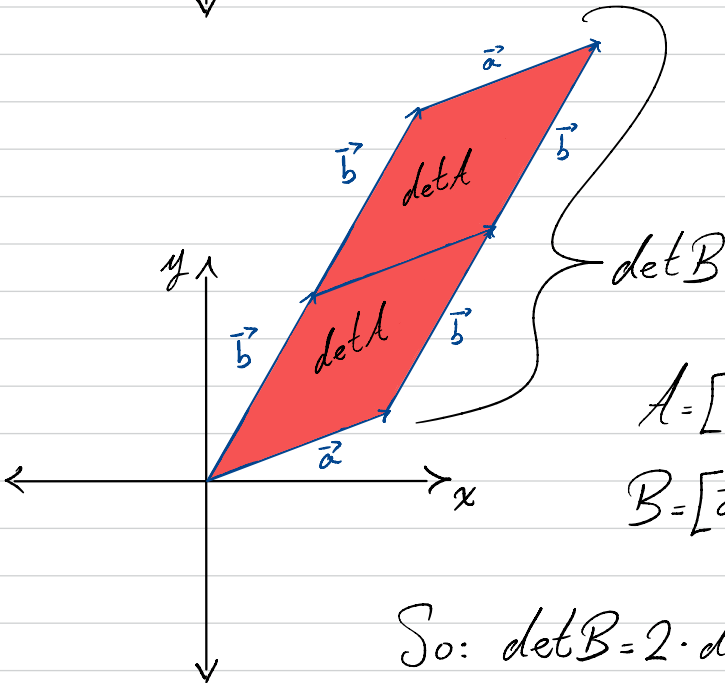


Math 102. Lab 7. Art Class

Let $\vec{a} = (a_1, a_2), \vec{b} = (b_1, b_2) \in \mathbb{R}^2$. Then:



Example:



$$A = [\vec{a} \ \vec{b}]$$

$$B = [\vec{a} \ 2\vec{b}] = \begin{bmatrix} a_1 & 2b_1 \\ a_2 & 2b_2 \end{bmatrix}$$

$$\text{So: } \det B = 2 \cdot \det A$$