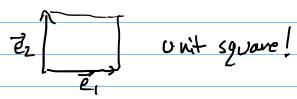
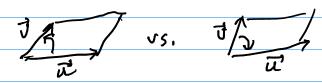


3. same for second component



5. det(v, √) = -det(v, v)



$$\det(\hat{b}\hat{d}) = \det(\hat{o}\hat{d}) + \det(\hat{b}\hat{d})$$

$$= \det(\hat{o}\hat{d}) + \det(\hat{o}\hat{d}) + \det(\hat{b}\hat{d}) + \det(\hat{b}\hat{d})$$