

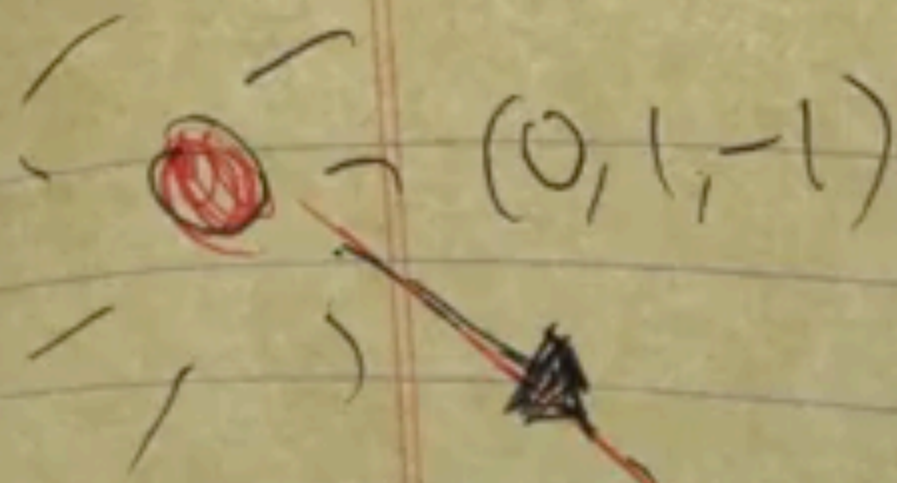
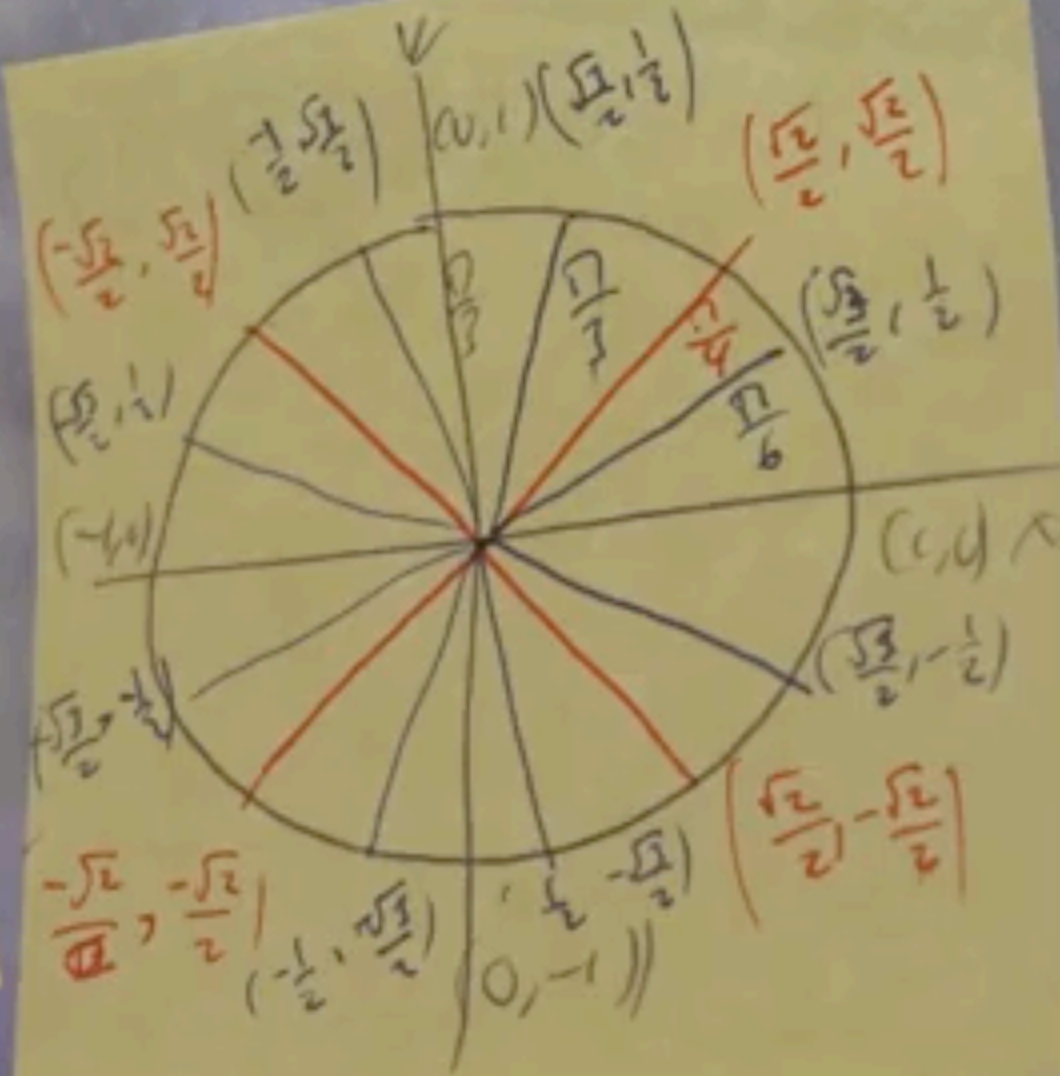
# Session 1: Coordinate Systems, Pixels and Geometric Transformations



$R, \cos \theta, \dots$

Norm

$$|\vec{u}| = \sqrt{\vec{u} \cdot \vec{u}}$$



$$L = (N_x, N_y, N_z) \cdot (0, 1, -1)$$

$$= 0 + N_y - N_z$$

$$= N_y - N_z$$