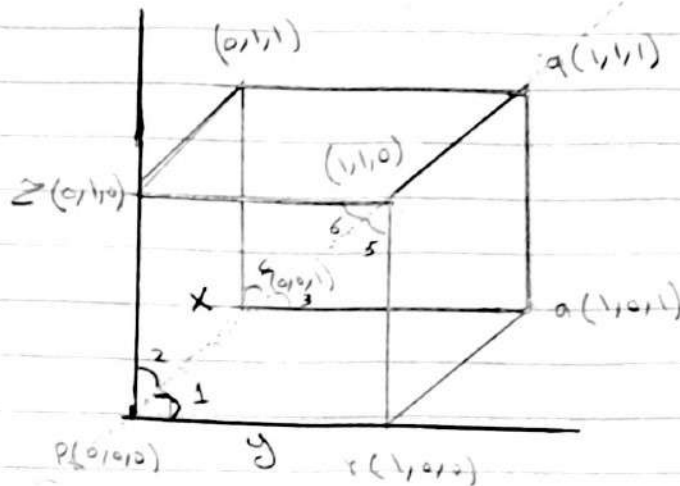


1.2.6



$$x = \vec{PQ} = Q - P = (1, 1, 1)$$

$$y = \vec{PR} = R - P = (1, 0, 0)$$

$$\text{Angle}_1(PQ \text{ \& } PR) = \frac{x \cdot y}{|x||y|} \cdot \cos \theta$$

$$= \frac{1}{\sqrt{3}} \cdot \frac{1}{\sqrt{1}} \cdot \cos \theta = \frac{1}{\sqrt{3}} \cdot \cos \theta = 0.577 \cdot \cos \theta$$

$$\text{First Angle}(x, y) = 54.73^\circ$$