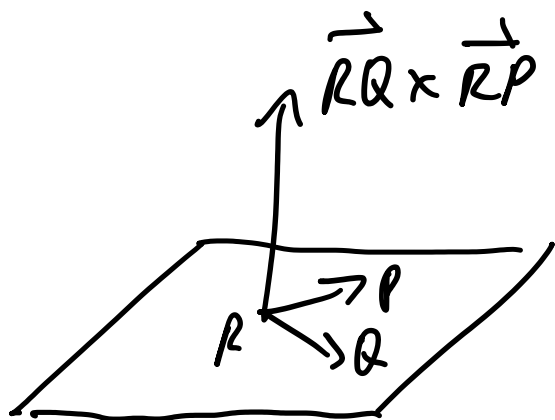


Ex $P(1, 2, 3)$ $Q(-2, 4, 1)$ $R(0, 6, -2)$



$$\vec{RQ} = (-2-0, 4-6, 1-(-2)) = (-2, -2, 3)$$

$$\vec{RP} = (1-0, 2-6, 3-(-2)) = (1, -4, 5)$$

$$\vec{RQ} \times \vec{RP} = \langle 2, 13, 10 \rangle$$

$$R(0, 6, -2)$$

$$2x + 13(y-6) + 10(z+2) = 0$$

$$P(1, 2, 3)$$

$$2(x-1) + 13(y-2) + 10(z-3) = 0$$

$$Q(-2, 4, 1)$$

$$2(x+2) + 13(y-4) + 10(z-1) = 0$$

Ex $r = \cos(3\theta)$

