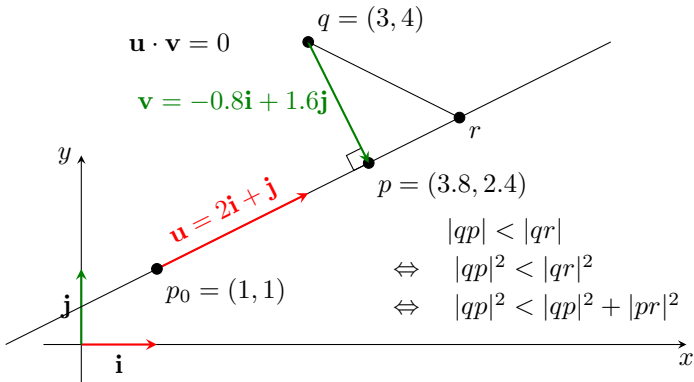


$$\mathbf{u} \cdot \mathbf{v} = 0$$

$$\mathbf{v} = -0.8\mathbf{i} + 1.6\mathbf{j}$$



$$|qp| < |qr|$$

$$\Leftrightarrow |qp|^2 < |qr|^2$$

$$\Leftrightarrow |qp|^2 < |qp|^2 + |pr|^2$$