(V)
$$A = \frac{a}{b} = 8$$

$$S_{1,n}(A) = \frac{a}{c}$$

$$S_{1,n}(A) = \frac{a}{c}$$

$$S_{1,n}(A) = \frac{5}{\sqrt{6}a} = \frac{5\sqrt{6}q}{6q} = 0.52999 \approx 0.53$$

Escaneado con CamScanner

VIII)
$$e^{-2\pi i \pi} = -\sin(4)$$
?

 $\sin(30) = \frac{1}{2} = -\sin(30) = \frac{1}{2}$
 $\sin(-30) = -\sin(30) = -\sin(30)$

$$R = (3,5,2) - (1,4,9) = (2,1,-7)$$

$$|R| = \sqrt{3^2 + 4^2 + (1)^2} = 3.76 \approx 7.348$$

$$\vec{R} = \frac{(2,1,-7)}{3\sqrt{6}} = \left(\frac{2}{3\sqrt{6}} \times , \frac{1}{3\sqrt{6}} \right) \times \left(\frac{-7}{3\sqrt{6}}\right)$$

$$(\hat{X})$$
. (alwan el valor de « Sabiendo que el módulo de $V=(x,3)=5$

$$|V| = 5 = \sqrt{\kappa^2 + 3^2}$$

$$K = \sqrt{5^2 + 3^2} = \sqrt{34} \simeq 5,8301$$

$$|V| = \sqrt{3^2 + 4^2} = 5$$

$$\frac{V}{5} = \left(\frac{3}{5}, \frac{4}{5}\right)$$

(XII)
$$W = U + V$$
 $U = (3, -5)$ $V = (1, -1)$

$$W = (3, -5) + (1, -1) = (4, -6)$$

- . 90°
- () °
- . 45°

Vectores perpendiculares
$$\alpha = 90^{\circ}$$

$$6 - 2x = 0$$

$$(x=3)$$

$$\frac{K}{-2} = \frac{2}{3} \implies K = \frac{-4}{3}$$

$$6-2\kappa = \sqrt{2^2+\kappa^2} \cdot \sqrt{3^2+(-2)^2} \cos 60^\circ$$

$$(12-4K)^2 = 52+13K^2$$

Halla elángulo que forman
$$M=(1,1,-1)$$
, $V=(2,2,21)$

COS $X=\frac{\sqrt{2} \cdot \sqrt{2} \cdot \sqrt{2}}{|\vec{p}| \cdot |\vec{p}|} \approx 0$
 $M = \sqrt{2} \cdot 2 \cdot 21$

$$\angle \arccos\left(\frac{\vec{u} \cdot \vec{v}}{|\vec{v}||\vec{v}|}\right) = \arccos\left(\frac{2+2-21}{\sqrt{3} \cdot \sqrt{449}}\right) = 117,59^{\circ}$$