$$A + A = \begin{pmatrix} -2 \\ -3 \\ -3 \end{pmatrix} + \begin{pmatrix} -3 \\ 3 \\ 3 \end{pmatrix}$$

$$= \begin{pmatrix} -3 \\ -3 \\ 3 \end{pmatrix} + \begin{pmatrix} -3 \\ 3 \\ 3 \end{pmatrix}$$

$$= \begin{pmatrix} -3 \\ -3 \\ 3 \end{pmatrix}$$

$$= \begin{pmatrix} \frac{3}{3} \end{pmatrix} \wedge$$

$$= \begin{pmatrix} \frac{3}{3} \end{pmatrix} + \begin{pmatrix} \frac{1}{6} \end{pmatrix}$$

$$= \begin{pmatrix} \frac{3}{3} \end{pmatrix} + J\begin{pmatrix} \frac{1}{3} \end{pmatrix}$$

$$= \begin{pmatrix} \frac{3}{3} \end{pmatrix} + J\begin{pmatrix} \frac{3}{3} \end{pmatrix}$$

$$z \begin{pmatrix} -2 \\ 1 \\ 1 \end{pmatrix} \wedge$$

$$\sum_{i=1}^{N} - \sum_{i=1}^{N} - \left(-\frac{3}{5} \right)$$

$$= \sqrt{3^{2} + (-3)^{2} + 3^{2}}$$

$$= \sqrt{3^{2} + (-3)^{2} + 3^{2}}$$

$$|X| = \sqrt{3^{3}}$$

$$|X| = \sqrt{y^2}$$

$$= \sqrt{3^2 + y^2 + (-y)^2}$$

$$= \sqrt{11}$$

$$\frac{3/\sqrt{12}}{1/\sqrt{2}} = \frac{3/\sqrt{12}}{1/\sqrt{2}}$$

$$\frac{5}{3} = \frac{131}{3} = \frac{3}{3}$$

Щ1:

$$= \begin{pmatrix} 0 \\ 0 \\ 10 \end{pmatrix}$$

$$= \begin{pmatrix} -4 \\ -54 \end{pmatrix} + \begin{pmatrix} -4 \\ 6 \\ 4 \end{pmatrix}$$

$$= \begin{pmatrix} -3 \\ -5 \end{pmatrix} + 3 \begin{pmatrix} -3 \\ 5 \end{pmatrix}$$

RHs:
$$2(\lambda + \lambda) = 3\left[\begin{pmatrix} 5 \\ 1 \\ 2 \end{pmatrix} + \begin{pmatrix} 5 \\ 2 \\ 3 \end{pmatrix}\right]$$

$$= 3\left[\begin{pmatrix} 6 \\ 1 \\ 2 \\ 3 \end{pmatrix} + \begin{pmatrix} 5 \\ 2 \\ 3 \\ 3 \end{pmatrix}\right]$$

TH2 = KH?

$$\begin{pmatrix} 3 \\ 2 \\ 3 \end{pmatrix} \times \begin{pmatrix} -1 \\ -3 \\ 1 \end{pmatrix} = \begin{pmatrix} 3 \\ -4 \\ 3 \end{pmatrix} = 1$$

$$\begin{pmatrix} -\frac{1}{1} \\ 0 \end{pmatrix} \times \begin{pmatrix} -\frac{2}{3} \\ \frac{2}{3} \end{pmatrix} = -10$$

$$\begin{pmatrix} 3 \\ 0 \end{pmatrix} \times \begin{pmatrix} -3 \\ -3 \end{pmatrix} = \begin{pmatrix} 0 \\ 0 \end{pmatrix} = -6$$

$$\tilde{\Lambda} = \begin{pmatrix} 0 & 0 \\ 0 & 10 & 0 \\ 0 & 0 & 0 \end{pmatrix} \quad \tilde{\Lambda} \quad = \begin{pmatrix} 0 & 0 & 0 \\ 0 & 10 & 0 \\ 0 & 0 & 0 \end{pmatrix}$$

negative means it goes different direction geometrically

Find trigonometric identity $\cos(\theta - \beta) = \cos\theta \cos\beta + \sin\theta \sin\beta$