

$$z_2 = e_2 \left(\cos v_2 + i \sin v_2 \right)$$

$$= \ell_1 \ell_2 \left(\cos \vartheta_1 \cos \vartheta_2 + i \cos \vartheta_4 \sin \vartheta_2 + i \sin \vartheta_4 \cos \vartheta_2 - \sin \vartheta_4 \sin \vartheta_2 \right)$$

$$= \mathcal{C}_1 \mathcal{C}_2 \left[(\cos \vartheta_1 \cos \vartheta_2 - \sin \vartheta_3 \sin \vartheta_2) + i \left(\sin \vartheta_4 \cos \vartheta_2 + \cos \vartheta_3 \sin \vartheta_2 \right) \right] =$$

In made analogs:

$$\frac{2_1}{2_2} = \frac{e_1}{e_2} \left[\cos(\vartheta_1 - \vartheta_2) + i \sin(\vartheta_1 - \vartheta_2) \right]$$

$$Z^{M} = e^{M} \left[\cos(m\vartheta) + i \sin(m\vartheta) \right]$$

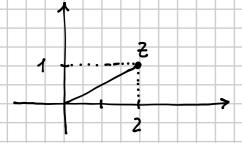
$$z_1 = 2\left(\cos\frac{\pi}{6} + i\sin\frac{\pi}{6}\right),$$

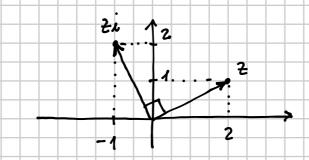
$$z_2 = \frac{1}{2} \left(\cos \frac{\pi}{3} + i \sin \frac{\pi}{3} \right).$$

$$\frac{2}{1}$$
 $\frac{7}{2}$ = 2 · $\frac{1}{2}$ $\left(\frac{1}{2} + \frac{11}{3} + i \sin \left(\frac{11}{6} + \frac{11}{3}\right)\right) =$

$$= \cos \frac{\pi}{2} + i \sin \frac{\pi}{2} = i$$

$$2 \cdot i = (2 + i) \cdot i = 2i + i^2 = -1 + 2i$$





Infabli

$$\frac{2}{2} = \mathcal{C}\left(\cos 2\theta + i\sin 2\theta\right) \implies 2i = \mathcal{C} \cdot 1 \cdot \left(\cos\left(2\theta + \frac{\pi}{2}\right) + i\sin\left(2\theta + \frac{\pi}{2}\right)\right)$$

 $\left(\cos\frac{5}{6}\pi + i\sin\frac{5}{6}\pi\right). \qquad \left[-\frac{3\sqrt{3}}{4} - \frac{3}{4}i\right]$ $z_1 = \sqrt{3} \left(\cos \frac{\pi}{3} + i \sin \frac{\pi}{3} \right), \qquad z_2 = \frac{\sqrt{3}}{2} \left(\cos \frac{5}{6} \pi + i \sin \frac{5}{6} \pi \right).$

$$2_1 \cdot 2_2 = \sqrt{3} \cdot \sqrt{\frac{3}{2}} \left(\cos \left(\frac{\pi}{3} + \frac{5}{6} \pi \right) + i \sin \left(\frac{\pi}{3} + \frac{5}{6} \pi \right) \right) =$$

$$=\frac{3}{2}\left(\cos\frac{7}{6}\pi+i\sin\frac{7}{6}\pi\right)=$$

$$= \frac{3}{2} \left(-\frac{\sqrt{3}}{2} + \lambda \cdot \left(-\frac{1}{2} \right) \right) = -\frac{3\sqrt{3}}{4} - \frac{3}{4} \lambda$$

