

Clase por Discord- 21 de abril

Terminando ej. de Fing.

④

$$\frac{a}{b} + \frac{b}{a} \geq 2 \quad \Leftrightarrow$$

$$\frac{a^2 + b^2}{\underbrace{ba}_{>0}} \geq 2 \quad \Leftrightarrow$$

$$a^2 + b^2 \geq 2ab \quad \Leftrightarrow$$

$$a^2 + b^2 - 2ab \geq 0 \quad \Leftrightarrow$$

$$(a-b)^2 \geq 0$$

④

$$= 2 + \underbrace{\left(\frac{a}{b} + \frac{b}{a}\right)}_{\geq 2} \geq 4$$

Tarea 6 e)

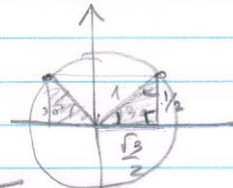
1) $\text{Sen } \alpha = -\text{Sen}(2\pi - \alpha)$

2) $\text{Cos } \alpha = \text{Cos}(2\pi - \alpha)$

3) $\text{Sen } \alpha = \text{Sen}(\pi - \alpha)$

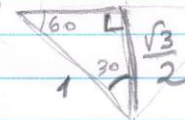
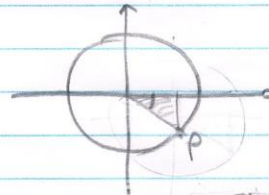
4) $\text{Cos } \alpha = -\text{Cos}(\pi - \alpha)$

• $\text{Sen } \frac{5\pi}{6} \stackrel{150^\circ}{=} \text{Sen} \left(\pi - \frac{5\pi}{6} \right) \stackrel{30^\circ}{=} \text{Sen } \frac{\pi}{6} = \frac{1}{2}$

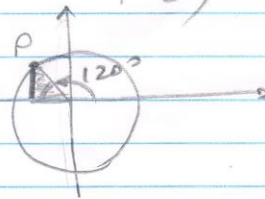


• $\text{Cos } \frac{11\pi}{6} \stackrel{330^\circ}{=} \text{Cos} \left(2\pi - \frac{11\pi}{6} \right) = \text{Cos } \frac{\pi}{6} = \frac{\sqrt{3}}{2}$

• $\text{Sen } \frac{4\pi}{3} \stackrel{240^\circ}{=} \text{Sen} \left(\pi - \frac{4\pi}{3} \right) = \text{Sen} \left(-\frac{\pi}{3} \right) = -\frac{\sqrt{3}}{2}$

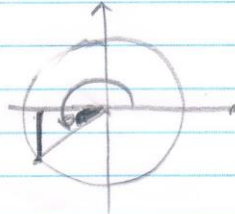


• $-\text{Sen} \left(2\pi - \frac{4\pi}{3} \right) = -\text{Sen} \left(\frac{2\pi}{3} \right) = -\frac{\sqrt{3}}{2}$



$$\bullet \quad \text{Sen} \left(\frac{5\pi}{4} \right) = -\text{Sen} \left(2\pi - \frac{5\pi}{4} \right) = -\text{Sen} \left(\frac{3\pi}{4} \right) = -\frac{\sqrt{2}}{2}$$

$\frac{1}{225}$



$$l^2 + l^2 = 1^2$$

$$2l^2 = 1$$

$$l^2 = \frac{1}{2}$$

$$l = \pm \sqrt{\frac{1}{2}}$$

$$l = \pm \frac{\sqrt{1}}{\sqrt{2}} = \pm \frac{1}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}} =$$

$$= \pm \frac{\sqrt{2}}{2}$$

$$\bullet \quad \text{Cos} \frac{5\pi}{4} \stackrel{(4)}{=} -\text{Cos} \left(\pi - \frac{5\pi}{4} \right) = -\text{Cos} \left(-\frac{\pi}{4} \right) = -\frac{\sqrt{2}}{2}$$

$$\textcircled{2} \quad \text{Cos} \left(2\pi - \frac{5\pi}{4} \right) = \text{Cos} \left(\frac{3\pi}{4} \right) = -\frac{\sqrt{2}}{2}$$

