

B) Angoli associati.

**Angoli opposti**

$$\begin{cases} \text{sen}(-\alpha) = -\text{sen}\alpha \\ \text{cos}(-\alpha) = \text{cos}\alpha \\ \text{tg}(-\alpha) = -\text{tg}\alpha \end{cases}$$

**Angoli supplementari**

$$\begin{cases} \text{sen}(\pi - \alpha) = \text{sen}\alpha \\ \text{cos}(\pi - \alpha) = -\text{cos}\alpha \\ \text{tg}(\pi - \alpha) = -\text{tg}\alpha \end{cases}$$

**Angoli che differiscono di un angolo piatto**

$$\begin{cases} \text{sen}(\alpha + \pi) = -\text{sen}\alpha \\ \text{cos}(\alpha + \pi) = -\text{cos}\alpha \\ \text{tg}(\alpha + \pi) = \text{tg}\alpha \end{cases}$$

**Angoli esplementari<sup>(1)</sup>**

$$\begin{cases} \text{sen}(2\pi - \alpha) = -\text{sen}\alpha \\ \text{cos}(2\pi - \alpha) = \text{cos}\alpha \\ \text{tg}(2\pi - \alpha) = -\text{tg}\alpha \end{cases}$$

**Angoli complementari**

$$\begin{cases} \text{sen}\left(\frac{\pi}{2} - \alpha\right) = \text{cos}\alpha \\ \text{cos}\left(\frac{\pi}{2} - \alpha\right) = \text{sen}\alpha \\ \text{tg}\left(\frac{\pi}{2} - \alpha\right) = \text{ctg}\alpha \end{cases}$$

**Angoli che differiscono di un angolo retto**

$$\begin{cases} \text{sen}\left(\alpha + \frac{\pi}{2}\right) = \text{cos}\alpha \\ \text{cos}\left(\alpha + \frac{\pi}{2}\right) = -\text{sen}\alpha \\ \text{tg}\left(\alpha + \frac{\pi}{2}\right) = -\text{ctg}\alpha \end{cases}$$

