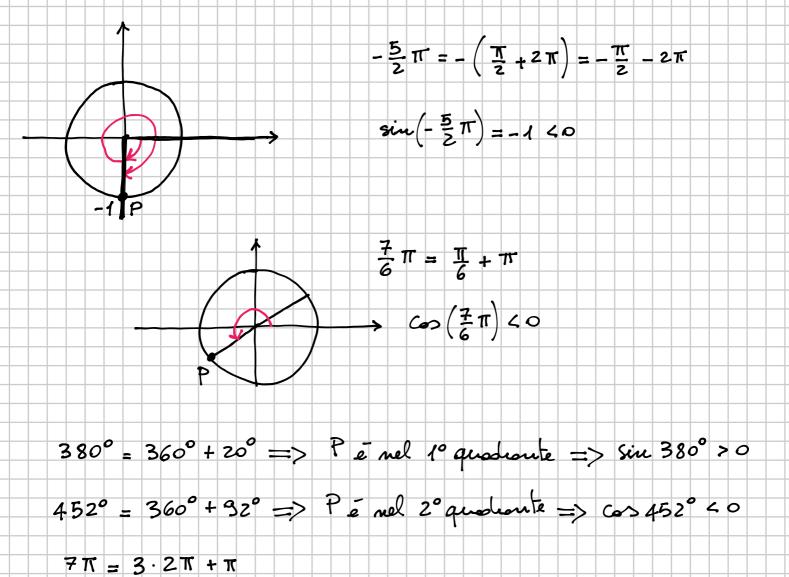
101 AL VOLO Indica se i seguenti valori sono positivi, negativi o nulli.

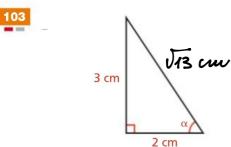
$$\sin(-\frac{5}{2}\pi); \cos\frac{7}{6}\pi; \sin 380^\circ; \cos 452^\circ; \sin 7\pi; \cos(-170^\circ).$$



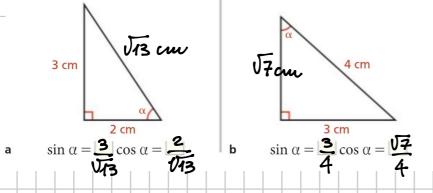
$$P \longrightarrow => \sin 7\pi = 0$$

TO2 COMPLETA inserendo i segni >, < o = (senza utilizzare la calcolatrice). $\sin\frac{3}{2}\pi \leq \sin\frac{5}{4}\pi; \sin\frac{3}{4}\pi \leq \sin\frac{3}{5}\pi; \sin 240^{\circ} \leq \sin 330^{\circ}; \cos 3\pi = \sin\left(-\frac{5}{2}\pi\right); \sin\frac{\pi}{8} \leq \cos 4\pi.$ quadrante Sine $\frac{5}{4}\pi = -\frac{\sqrt{2}}{2}$ $\sin \frac{3}{2}\pi = -1$ $\begin{array}{ccc}
5 & 2 & 3 & 3 & 3 & 3 & 3 \\
4 & 2 & 2 & 3 & 3
\end{array}$ Sin 377 > sin 377 Sin 330° > sin 240° 2400 = 1800 + 600 330° = 360° - 30°

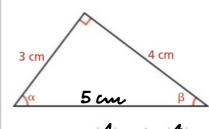
Utilizza i dati nelle figure per determinare i valori richiesti. (usil TH. DI PITAGORA)



a
$$\sin \alpha = 2 \cos \alpha = 2$$



$$\sin \alpha = \frac{3 \text{ cm}}{4 \cos \alpha} = \frac{\sqrt{7}}{4}$$



c
$$\sin \alpha = \frac{4}{5}\cos \beta = \frac{4}{5}$$

$$a\sin\left(-\frac{5}{2}\pi\right) + \frac{a}{2}\cos(8\pi) - \left(\frac{a}{2} + 1\right)\cos 0 = \frac{1}{2}$$

$$= a \cdot (-1) + \frac{a}{2} \cdot 1 - (\frac{a}{2} + 1) \cdot 1 =$$

$$=-a+\frac{0}{2}-\frac{a}{2}-1=-a-1$$

$$\sin \alpha = \frac{7}{25} e 0 < \alpha < \frac{\pi}{2}; \cos \alpha?$$

$$\cos a = \pm \sqrt{1 - \sin^2 a} = + \sqrt{1 - \frac{7^2}{25^2}} = \sqrt{\frac{625 - 43}{625}} = \sqrt{\frac{576}{625}} = \frac{24}{25}$$

$$xelos + fercie$$

$$\sin \alpha = -\frac{2}{5} e^{\frac{3}{2}\pi} < \alpha < 2\pi; \cos \alpha? \qquad \left[\frac{\sqrt{21}}{5}\right]$$

