Calcola seno, coseno e tangente dei seguenti angoli, sfruttando le conoscenze sugli angoli particolari.

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$$\frac{11}{4}\pi$$
, $\frac{17}{6}\pi$, $-\frac{7}{3}\pi$, $\frac{13}{6}\pi$.

$$(330^{\circ} = ... = c_{00}(-30^{\circ}) = c_{00}30^{\circ} = \frac{53}{3}$$

$$\cos 330^\circ = \cos (360^\circ - 30^\circ) = \cos (30^\circ) = \cos 30^\circ = \frac{\sqrt{3}}{2}$$

 $\tan 330^\circ = \tan (360^\circ - 30^\circ) = \tan (-30^\circ) = -\tan 30^\circ = \frac{\sqrt{3}}{3}$

$$\sin 495^{\circ} = \sin (360^{\circ} + 135^{\circ}) = \sin 135^{\circ} = \sin (180^{\circ} - 45^{\circ}) = \sin 45^{\circ} = \frac{\sqrt{2}}{2}$$

Sin
$$\frac{11}{4}\pi$$
 = $\sin\left(2\pi + \frac{3}{4}\pi\right)$ = $\sin\left(3\pi - \sin\left(\pi - \frac{\pi}{4}\right)\right)$ = $\sin\left(\pi - \frac{\pi}{4}\right)$ =

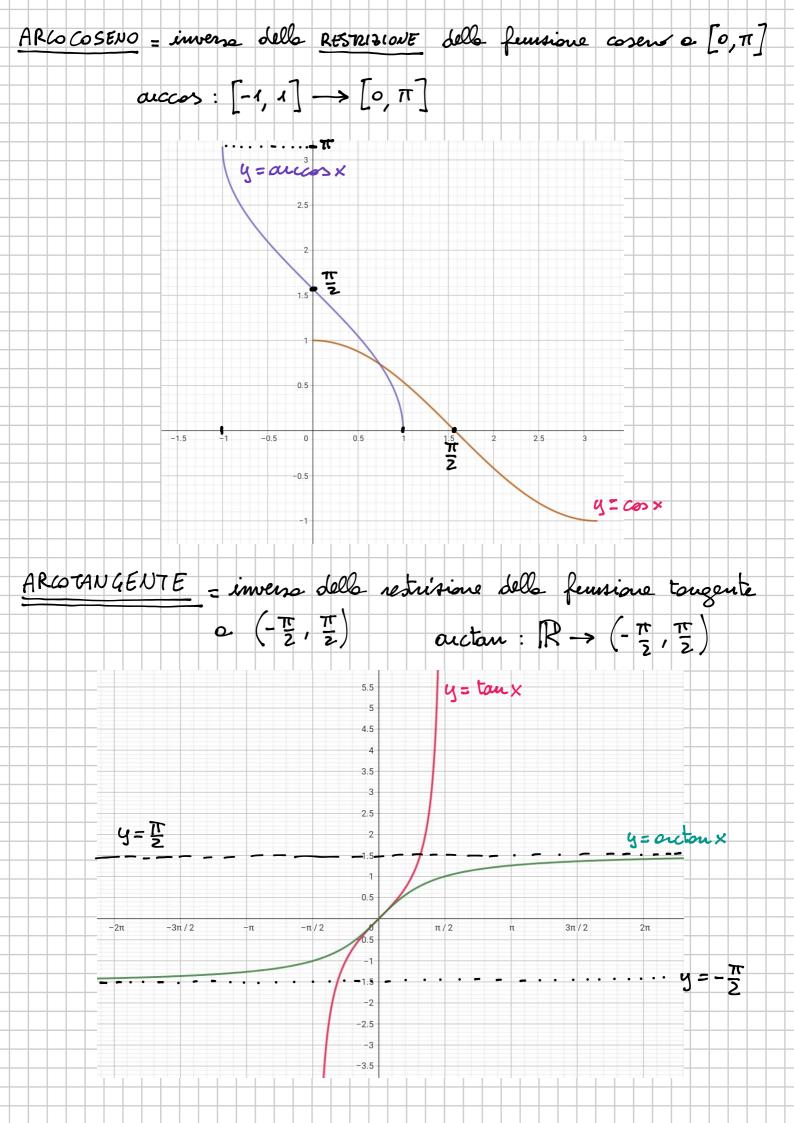
$$\cos \frac{17}{6}\pi = \cos \left(2\pi + \frac{5}{6}\pi\right) = \cos \frac{5}{6}\pi = \cos \left(\pi - \frac{\pi}{6}\right) = -\cos \frac{\pi}{6} = -\frac{\sqrt{3}}{2}$$

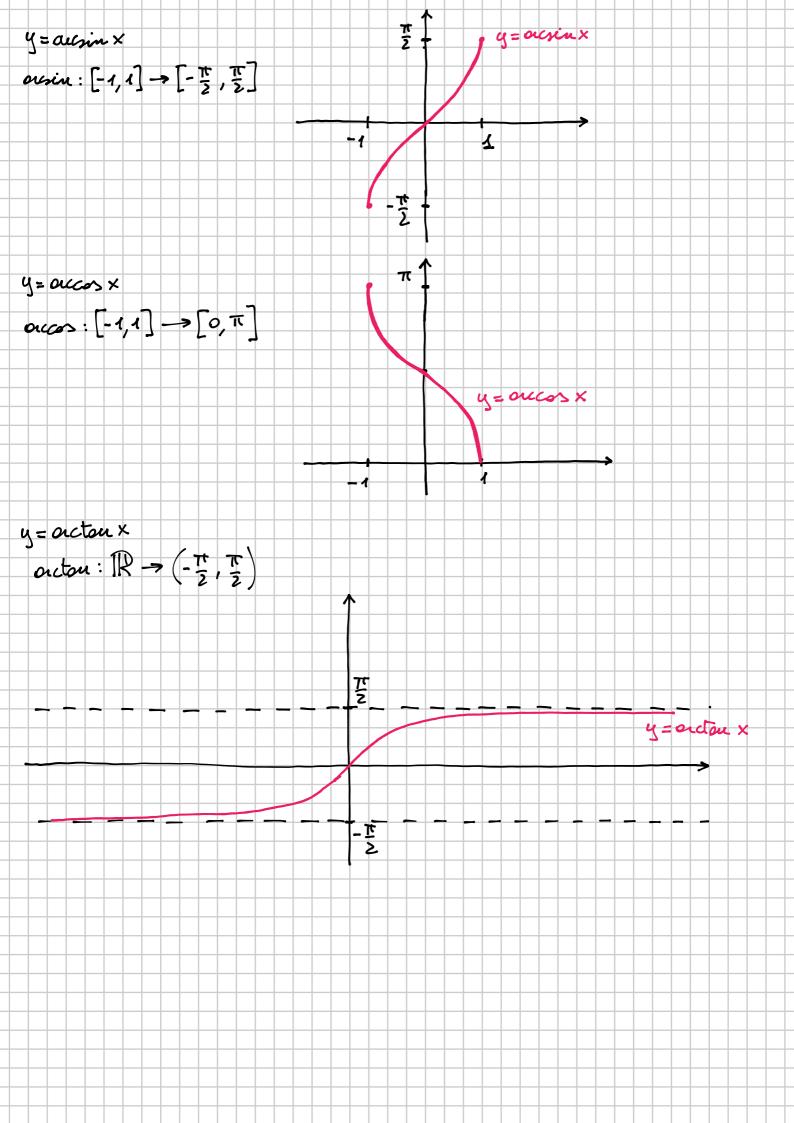
$$\tan\left(-\frac{7}{3}\pi\right) = -\tan\frac{7}{3}\pi = -\tan\left(2\pi + \frac{7}{3}\right) = -\tan\frac{\pi}{3} = -\sqrt{3}$$

$$\sin \frac{13}{6}\pi = \sin \left(2\pi + \frac{\pi}{6}\right) = \sin \frac{\pi}{6} = \frac{1}{2}$$

$$\cos \frac{13}{6}\pi = \cos \left(2\pi + \frac{\pi}{6}\right) = \cos \frac{\pi}{6} = \frac{\sqrt{3}}{2}$$

$$ton \frac{13}{6}\pi = tou (2\pi + \frac{\pi}{6}) = tou \frac{\pi}{6} = \frac{\sqrt{3}}{3}$$





$$\arccos\left[\sin\left(-\frac{\pi}{2}\right)\right] = \frac{1}{2}$$

$$\arccos\left[\sin\left(-\frac{\pi}{6}\right)\right] =$$
, $\sin\left[\arctan\left(-\frac{4}{3}\right)\right] =$,

$$\sin\left[\arctan\left(-\frac{4}{3}\right)\right] =$$

$$sin\left[\arctan\left(-\frac{4}{3}\right)\right]=(*)$$

$$\sqrt{1+\tan^2\left(\arctan\left(-\frac{4}{3}\right)\right)}$$

$$-\frac{4}{3}$$
 $-\frac{4}{3}$ $-\frac{4}{3}$

$$tou^2 d = \frac{\sin^2 d}{\cos^2 d}$$

tou'a - tou'a sin'a = sin'a

$$\sin^2 a + \tan^2 a \sin^2 a = \tan^2 a$$

 $\sin^2 a \left(1 + \tan^2 a\right) = \tan^2 a$

$$\sqrt{1+tou^2}$$

