



CLASSE 3^A LICEO CLASSICO

1 Dicembre 2008

EQUAZIONI GONIOMETRICHE (rec)

COGNOME _____ NOME _____

1. $3 \operatorname{tg}^3 x - 3 \operatorname{tg}^2 x - \operatorname{tg} x + 1 = 0$ _____ / 3
2. $2 \cos^2 x + (2 + \sqrt{3}) \cos x + \sqrt{3} = 0$ _____ / 3
3. $\operatorname{tg} \left(\frac{\pi}{4} - x \right) + \operatorname{tg} \left(\frac{\pi}{4} + x \right) = 4$ _____ / 4,5
4. $\cos^2 \frac{x}{2} - 2 \operatorname{sen}^2 \frac{x}{2} = \frac{\cos 2x - 1}{4}$ _____ / 2
5. $\operatorname{sen} \left(\frac{\pi}{4} + \frac{x}{3} \right) + \cos \left(\frac{\pi}{4} + \frac{x}{3} \right) - 1 = 0$ _____ / 4,5
6. $3 \operatorname{sen}^2 x - \cos^2 x = 0$ _____ / 1,5
7. $5 \cos^2 x - \sqrt{3} \operatorname{sen} 2x - \operatorname{sen}^2 x = 2$ _____ / 4
8. $\operatorname{sen} 4x - \cos 4x = 1$ _____ / 4