



CLASSE 3^A LICEO CLASSICO

16 Dicembre 2008

DISEQUAZIONI GONIOMETRICHE

COGNOME _____ NOME _____

1. $2 \operatorname{sen}^2 x - 1 \leq 0$ _____ / 2
2. $2 \operatorname{sen}^2 x + \sqrt{3} \operatorname{sen} x \geq 0$ _____ / 2
3. $3 \operatorname{sen} x - \sqrt{3} \cos x \leq 0$ _____ / 3
4. $\operatorname{sen} x + \cos x + 1 \leq 0$ _____ / 2,5
5. $\sqrt{3} \operatorname{sen} x - \cos x - 1 \geq 0$ _____ / 2,5
6. $3 \operatorname{tg}^2 x - (\sqrt{3} - 3) \operatorname{tg} x - \sqrt{3} \geq 0$ _____ / 2,5
7. $\frac{\sqrt{3} \operatorname{sen} x - \cos x}{1 - \operatorname{sen}^2 x} \geq 0$ _____ / 4
8. $\operatorname{sen} x (2 \cos x + 1) (\operatorname{tg} x - 1) \geq 0$ _____ / 4
9. $\begin{cases} 1 - 2 \operatorname{sen} x > 0 \\ 2 \cos x - \sqrt{2} \leq 0 \end{cases}$ _____ / 2,5