



CLASSE 3<sup>A</sup> LICEO CLASSICO

28 Novembre 2008

EQUAZIONI GONIOMETRICHE (rec)

COGNOME \_\_\_\_\_ NOME \_\_\_\_\_

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