



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

18 Novembre 2008

EQUAZIONI GONIOMETRICHE

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

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