

Prova libera n. 4 - Soluzioni

1. $10^{300} < 2^{1000} < 1000!$
2. $z \in \mathbf{R}^+$
3. $\arctan x$
4. $(2x)^x (1 + \log(2x))$
5. $y = \frac{2}{3}x + \log 3$
6. $x^3|x|, \quad x - \arctan x$
7. $] - \infty, 0] \text{ e }]1, +\infty[$
8. $] - \infty, \log 3]$
9. $4x - \frac{8}{3}x^3 + O(x^5)$
10. $(1 + a)x + ax^2 + O(x^3)$