



VERIFICA DI MATEMATICA

CLASSE 2[^]D – 20 Dicembre 2006

COGNOME _____ NOME _____

- $^{12}\sqrt{\sqrt{a^7}} \cdot ^4\sqrt{^6\sqrt{a^{10}}} \cdot ^3\sqrt{^8\sqrt{a^7}}$ a
- $\left[a^4\sqrt{ab^3} \left(^3\sqrt{b^7} \right)^2 \sqrt{^3\sqrt{a}} \right] : \left[b^6\sqrt{a^2b} \cdot ^4\sqrt{b^3} \right]$ $a b^3 \sqrt[12]{a b^6}$
- $^8\sqrt{a} \cdot ^3\sqrt{a\sqrt{a}} : \left(\sqrt{a\sqrt{a\sqrt{a}}} \cdot \sqrt{a\sqrt{a}} \right)$ $\frac{1}{a}$
- $\left(\sqrt{\frac{a^3b^2 - a}{b^2 + 2b}} : \sqrt{\frac{a^2b^2 - ab}{b^3 + 2b^2}} \right) : \sqrt{\frac{ab + 1}{2}}$ $\sqrt{2}$
- $^8\sqrt{\frac{(x^2 - y^2)^4}{x^2}} \cdot ^4\sqrt{\frac{xy^2}{(x + y)^2}} \cdot \sqrt{\frac{x^2y}{x - y}}$ $x y$
- $\left(^3\sqrt{\frac{b}{b + 1}} : ^4\sqrt{\frac{b}{b - 1}} \right)^2 : \left(\sqrt{\frac{b - 1}{b}} : ^4\sqrt{\frac{(b + 1)^3}{b^4}} \right) \cdot ^3\sqrt{b}$ $\sqrt[12]{b + 1}$
- $^3\sqrt{\frac{9x^2 + 12x + 4}{(x - 3)^2}} : ^4\sqrt{\left(\frac{3x + 2}{x - 3} \right)^3}$ $\sqrt[12]{\frac{x - 3}{3x + 2}}$
- $\frac{^{18}\sqrt{a^{13}}}{^9\sqrt{a^2} \cdot ^{12}\sqrt{a^5}}$ $\sqrt[12]{a}$
- $^3\sqrt{250} - ^3\sqrt{16} + ^3\sqrt{3} - ^3\sqrt{54} + ^3\sqrt{24}$ $3\sqrt[3]{3}$
- $^3\sqrt{375} - 3\sqrt[3]{81} + ^3\sqrt{250} - 6\sqrt[3]{2} + ^3\sqrt{192}$ $- \sqrt[3]{2}$
- $2\sqrt{125} - \sqrt{245} - \frac{1}{3}\sqrt{405} + \frac{1}{4}\sqrt{320} - 4\sqrt{5}$ $- 2\sqrt{5}$