Aufgaben zur Potenzrechnung und zum Radizieren:

1. $3a^4 + 5a^4 =$

   $6x^5 + x^5 =$

   $7b^3 + 4b^3 =$

2. $3a^n + a^n =$

   $4b^m - 5b^m =$

   $4b^n + 7c^n =$

   $3a^m - 4a^n =$

3. $8a^5 - 4a^3 - 7a^5 + 5a^3 =$

   $2ax^n - 3by^m - ax^n + 4by^m =$

   $5x^m - 3ax^m + 4x^n + ax^m =$

4. $2^3 * 2^2 * 2 =$

   $a^3 * a^5 =$

   $x^3 * x^4 * x =$

5. $(a^2 + a^3)^2 =$

   $(a^4 - a^5)^2 =$

   $(b^3 + b^4) * b^2 =$

6. $p^3 + \frac{1}{4}p^3 =$

   $q^6 + \frac{1}{5}q^6 =$

   $\frac{3}{4}t^4 - \frac{3}{4}t^4 =$

   $\frac{5}{6}z^3 - \frac{2}{3}z^3 =$

7. $\frac{a^5}{a^3} * a^2 =$

   $(a+b)^2 : b =$

   $(a-b)^2 : ab =$

   $(a+b)(a-b) : b =$

8. Schreiben Sie als Potenz:

   $\sqrt{a^4} =$

   $\sqrt[4]{b^3} =$

   $\sqrt[3]{a^4} * a^2 =$

9. $\sqrt{c^2} + 3\sqrt{c^2} =$

   $3\sqrt[5]{b} - 2\sqrt[5]{b} =$

   $3\sqrt{c} - 2\sqrt{c^2} =$

   $\sqrt{x^2} * \sqrt[3]{x^4} =$

   $\frac{\sqrt[4]{y^3}}{\sqrt[5]{y^2}} =$

   $3\sqrt[3]{y^5} * \frac{\sqrt{y^2}}{\sqrt[4]{y^3}} =$