

Quiz 2: Try This

Which of the following is equivalent to $(x^{1/2})^6$?

A $x^{6\frac{1}{2}}$

B x^3

C $6x^{1/2}$

D $\frac{1}{2}x^6$

Which of the following is equivalent to $(2y^{\frac{2}{3}})^3$?

A $8y^2$

B $2y^2$

C $8y^3$

D $2y^3$

Which of the following is equivalent to $(a^{\frac{2}{3}})^{12}$?

A a^8

B $a^{12\frac{2}{3}}$

C $12a^{\frac{2}{3}}$

D $\frac{2}{3}a^{12}$

Simplify $x^0 \times (x^2)^3 \div (x^2 \times x^{1/2})$

A $x^{3\frac{1}{2}}$

B $x^{8\frac{1}{2}}$

C $x^{2.4}$

D x^3

What is the 4th root of 3^{12} ?

A 9

B 27

C 81

D 243