Nom:
Nota:

Matemàtiques (exponents)

Indica el valor que ha de tenir x per tal de que es compleixin les següents expressions:

$2^x.2^4 = 2^7$

$7^2.7^x = 7^3$

$(-3)^x = 9$

$(x)^3 = -125$

$x^2 = -4$

$x^4 = 16$

$9^4.9^3 = 9^x$

$(-5)^4.(-5)^2 = x^6$

$x^4.5^3 = 5^7$

$\frac{x^4}{6^3} = 6$

$\frac{(-9)^x}{(-9)^3} = (-9)$

$\frac{7^2}{x^2} = 1$

$\frac{8^4}{8^x} = 64$

$\frac{2^3.2^x}{2^2} = 2^5$

$\frac{2^{10}}{2^3.2^x} = 2^2$

$(2^3)^x = 2^6$

$(x^2)^4 = 3^8$

$(3^3)^x = 1$

$x^3 = (2.3)^3$

$((-4)^x)^4 = (-4)^{16}$

$2^{-3}.2^x = 2^4$

$(3^x)^{-2} = 3^{10}$

$2^{-1}.2^{-4} = 2^x$

$\frac{3^4}{3^x} = 3^6$

$\frac{3^{-3}}{3^4} = 3^2$

$2^{-3}.2^x = 8$

$(5^{-1})^{-2} = 25$

$\frac{7}{7^x} = 49$

$3^x.3^4 = 3^{-5}$

$2^3.2^x.2^{-3} = 2^1$

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