$\leftarrow$	Practice quiz on Exponents and Logarithms  Übungsquiz • 40 min		
	✓ Herzlichen Glückwunsch! Sie haben bestanden! zum Bestehen 75 % oder höher Lernen Sie weiter	BEWERTUNG 100 %	
	Dua ati da guria da Evro do donte a del La garrithosa		
	Practice quiz on Exponents and Logarithms GESAMTPUNKTZAHL 12		
	1. Re write the number $784=2\times 2\times 2\times 2\times 7\times 7$ using exponents. $\bigcirc \ (16^4)(49^2)$	1 / 1 Punkten	
$\leftarrow$	Practice quiz on Exponents and Logarithms  Übungsquiz • 40 min		
	Richtig For this type of problem, count the number of times each relevant factor appears in the product.		
	That number is the exponent for that factor.		
	2. What is $(x^2-5)^0$ ? $-4$	1/1 Punkten	
	1		
	$\bigcirc \ (x^2)$ $\bigcirc \ (x^2)-5$		
$\leftarrow$	Practice quiz on Exponents and Logarithms $$^{ ext{Ubungsquiz} \cdot 40 \text{ min}}$$ Any real number (except zero) raised to the "zeroith" power $= 1$ .		
	3. Simplify $((x-5)^2)^{-3}$	1 / 1 Punkten	
	$\bigcirc (x-5)^{-1}$ $\bigcirc (x-5)$		
	$\bigcirc (x-5)^{-5}$		
	Richtig By Rule 2, "Power to a Power," multiply the exponents and get:		
,	Practice quiz on Exponents and Logarithms		
<u></u>	Übungsquiz • 40 min  By the definition of negative exponents, this is equal to the first funging trace (1)((x-3)) to present  {align}		
	4. Simplify {\large \begin {align}({\frac{8^2}{8^7}})^2\end {align}}	1 / 1 Punkten	
	$\bigcirc$ 8 <sup>-5</sup> $\bigcirc$ 8 <sup>-1</sup>		
	✓ Richtig		
$\leftarrow$	We can first simplify what is inside the parenthesis to $8^{-5}$ using the Division and Negative Practice quiz on Exponents and Logarithms		
	Übungsquiz • 40 min  Then apply division and negative powers the result is the same. {\large \begin {align}\frac{8^4} {8^{14}}\end {align}= 8^{-10}}		
	5. $\log 35 = \log 7 + \log x$	1 / 1 Punkten	
	Solve for $x$		ı
	<ul><li>○ 7</li><li>○ 4</li></ul>		
	○ 28		
$\leftarrow$	Practice quiz on Exponents and Logarithms		
	Übungsquiz • 40 min $\log(x) = \log \left( \frac{35}{7} \right)$		
	By the Quotient Rule $\log x = \log 5$		
	6. $\log_2(x^2 + 5x + 7) = 0$	1 / 1 Punkten	
	Solve for $x$		
	$\bigcirc x = 2 \text{ or } x = 3$ $\bigcirc x = -2 \text{ or } x = -3$		
	$\bigcirc x=2$ $\bigcirc x=3$		
$\leftarrow$	Practice quiz on Exponents and Logarithms  Übungsquiz • 40 min		
	Use both sides as exponent for 2.		
	Use both sides as exponent for 2. $2^{\log_2 x^2 + 5x + 7} = 2^0$		
	$2^{\log_2 x^2 + 5x + 7} = 2^0$		
	$2^{\log_2 x^2 + 5x + 7} = 2^0$ $x^2 + 5x + 7 = 1$		
	$2^{\log_2 x^2 + 5x + 7} = 2^0$ $x^2 + 5x + 7 = 1$ $x^2 + 5x + 6 = 0$ $(x+3)(x+2) = 0$ $x = -3$ or		
<	$2^{\log_2 x^2 + 5x + 7} = 2^0$ $x^2 + 5x + 7 = 1$ $x^2 + 5x + 6 = 0$ $(x+3)(x+2) = 0$		
←	$2^{\log_2 x^2+5x+7}=2^0$ $x^2+5x+7=1$ $x^2+5x+6=0$ $(x+3)(x+2)=0$ $x=-3$ OR $x=-2$ Practice quiz on Exponents and Logarithms	1 / 1 Punkten	
————————————————————————————————————	$2^{\log_2 x^2+5x+7}=2^0$ $x^2+5x+7=1$ $x^2+5x+6=0$ $(x+3)(x+2)=0$ $x=-3 \text{ OR}$ $x=-3 \text{ OR}$ Practice quiz on Exponents and Logarithms $\frac{x^2+5x+7}{2}=\frac{1}{2}$ Obungsquiz $\frac{1}{2}$ Obungsquiz $\frac{1}{$	1 / 1 Punkten	
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	$2^{\log_2 x^2 + 5x + 7} = 2^0$ $x^2 + 5x + 7 = 1$ $x^2 + 5x + 6 = 0$ $(x+3)(x+2) = 0$ $x = -3 \text{ OR}$ $x = -9$ Practice quiz on Exponents and Logarithms $x = -9$ Or $x = -9$ O	1 / 1 Punkten	
	$2^{\log_2 x^2 + 5x + 7} = 2^0$ $x^2 + 5x + 7 = 1$ $x^2 + 5x + 6 = 0$ $(x+3)(x+2) = 0$ $x = -3 \text{ OR}$ $x = -2$ Practice quiz on Exponents and Logarithms $0^{\log_2 x^2 + 40 \text{ min}}$ 7. Simplify $\log_2 72 - \log_2 9$ $\log_2 4$ $\log_2 63$ $4$	1/1 Punkten	
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	$2^{\log_2 x^2 + 5x + 7} = 20$ $x^2 + 5x + 7 = 1$ $x^2 + 5x + 6 = 0$ $(x + 3)(x + 2) = 0$ $x = -3 \text{ or}$ 7. Simplify $\log_3 72 - \log_3 9$ $\log_2 4$ $\log_2 63$ $4$ $3$ $y \text{ scheig}$ By the quotient rule, this is $\log_2 2$ \text{ begin (align)} (\frac{(72)(9)}{1} + \log_2 2 \frac{(2^3)}{3} + \log_3 6})  8. Simplify $\log_3 9 - \log_3 3 + \log_3 5$ Practice quiz on Exponents and Logarithms $15$ $\log_3 8$ $y \text{ Bidning}$ By the Quotient and Product Rules, this is $\log_2 3$ \text{ begin (align)} (\frac{(72)(9)}{1} + \log_2 2 \frac{(2^3)}{3} + \log_3 6})  9. Simplify $\log_3 3 + (8 \times \log_2 5)$ $(8 \times \log_2 3) + (8 \times \log_2 5)$ $(8 \times \log_3 3) + (7 \times \log_2 5)$ $15 \times \log_2 56$ Practice quiz on Exponents and Logarithms $0 + (8 \times \log_3 3) + (7 \times \log_2 5)$ $15 \times \log_2 56$ Practice quiz on Exponents and Logarithms $0 + (8 \times \log_3 3) + (7 \times \log_2 5)$ $15 \times \log_2 56$ Practice quiz on Exponents and Logarithms $0 + (8 \times \log_3 3) + (7 \times \log_2 5)$ $15 \times \log_2 56$ Practice quiz on Exponents and Logarithms $0 + (8 \times \log_3 3) + (7 \times \log_2 5)$ $15 \times \log_2 56$ Practice quiz on Exponents and Logarithms $0 + (8 \times \log_3 3) + (7 \times \log_2 5)$ $0 + (8 \times \log_3 3) + (7 \times \log_2 5)$ $0 + (8 \times \log_3 3) + (7 \times \log_3 5)$ $0 + (8 \times \log_3 3) + (7 \times \log_3 5)$ $0 + (8 \times \log_3 3) + (7 \times \log_3 5)$ $0 + (8 \times \log_3 3) + (7 \times \log_3 5)$ $0 + (8 \times \log_3 3) + (7 \times \log_3 5)$ $0 + (8 \times \log_3 3) + (7 \times \log_3 5)$ $0 + (8 \times \log_3 3) + (7 \times \log_3 5)$ $0 + (8 \times \log_3 3) + (7 \times \log_3 5)$ $0 + (8 \times \log_3 3) + (7 \times \log_3 5)$ $0 + (8 \times \log_3 3) + (7 \times \log_3 5)$ $0 + (8 \times \log_3 3) + (7 \times \log_3 5)$ $0 + (8 \times \log_3 3) + (7 \times \log_3 5)$ $0 + (8 \times \log_3 3) + (7 \times \log_3 5)$ $0 + (8 \times \log_3 3) + (8 \times \log_3 5)$ $0 + (8 \times \log_3 3) + (8 \times \log_3 5)$ $0 + (8 \times \log_3 3) + (8 \times \log_3 5)$ $0 + (8 \times \log_3 3) + (8 \times \log_3 5)$ $0 + (8 \times \log_3 3) + (8 \times \log_3 5)$ $0 + (8 \times \log_3 3) + (8 \times \log_3 5)$ $0 + (8 \times \log_3 3) + (8 \times \log_3 5)$ $0 + (8 \times \log_3 5) + (8 \times \log_3 5)$ $0 + (8 \times \log_3 5) + (8 \times \log_3 5)$ $0 + (8 \times \log_3 5) + (8 \times \log_3 5)$ $0 + (8 \times \log_3 5) + (8 \times \log_3 5)$ $0 + (8 \times \log_3 5) + (8 \times \log_3 5)$ $0 + (8 \times \log_3 5) + (8 \times \log_3 5)$ $0 + (8 \times \log_3 5) + (8 \times \log_3 5)$ $0 + (8 \times \log_3 5) + (8 \times \log_3 5)$ $0 + ($	1/1 Punkten	
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	$2^{\log_2 x^2 + 5x + 7} = 2^0$ $x^2 + 5x + 7 = 1$ $x^2 + 5x + 6 = 0$ $(x + 3)(x + 2) = 0$ $x = -3 \text{ OR}$ $x = $	1/1 Punkten  1/1 Punkten	
	$2^{\log_2 x^2 + 3x + 7} = 2^0$ $x^2 + 5x + 7 = 1$ $x^2 + 5x + 6 = 0$ $(x + 3)(x + 2) = 0$ $x = -3 \text{ oR}$ $0$ Practice quiz on Exponents and Logarithms $0_{\text{threeps}} = 0$ $0_{\text{three}} = 0$ $0_{th$	1/1 Punkten  1/1 Punkten	
	$2^{\log_2 x^2 + 5x + 7} = 2^0$ $x^2 + 5x + 7 = 1$ $x^2 + 5x + 6 = 0$ $(x + 3)(x + 2) = 0$ $x = -3 \text{ OR}$ $x = -3 \text{ OR}$ $x = -9$ Practice quiz on Exponents and Logarithms $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0$	1/1 Punkten  1/1 Punkten	
	$2^{\log_2 x^3 + 3x + 7} = 2^9$ $x^2 + 5x + 7 = 1$ $x^2 + 5x + 6 = 0$ $(x + 3)(x + 2) = 0$ $x = -3 \text{ oR}$ $x = -3 \text{ oR}$ $x = -9$ Practice quiz on Exponents and Logarithms $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0 = 0$ $0$	1/1 Punkten  1/1 Punkten	
	$2^{\log_2 x^2 + 5x + 7} = 2^0$ $x^2 + 5x + 7 = 1$ $x^2 + 5x + 6 = 0$ $(x - 3)(x + 2) = 0$ $x = -3 \text{ CR}$ Practice quiz on Exponents and Logarithms size $x = 3$ on	1/1 Punkten  1/1 Punkten	
	$2^{\text{lett}} x^2 + 5x + 7 = 1$ $x^2 + 5x + 6 = 0$ $(x + 3)(x + 2) = 0$ $x = -3 \text{ OR}$ $$	1/1 Punkten  1/1 Punkten	
	$2^{\log_2 x^2 + 3 \cdot x - 7} = 2^0$ $x^2 + 5x + 7 = 1$ $x^2 + 5x + 6 = 0$ $(x - 3)(x + 2) = 0$ $x = -3 \text{ or}$ $x$	1/1 Punkten  1/1 Punkten	
	$2^{\log_2 x^2 + 5x + 7} = 20$ $x^2 + 5x + 7 = 1$ $x^2 + 5x + 6 = 0$ $(x + 3)(x + 2) = 0$ $x = -3 \text{ CR}$ $3$ Practice quix on Exponents and Logarithms $3^{\log_2 x^2 + 5x + 7} = 2^{\log_2 x^2 + 5x + 6} = 0$ $(x + 3)(x + 2) = 0$ $x = -3 \text{ CR}$ $3 \text{ CR}$ $$	1/1 Punkten  1/1 Punkten	
	$2^{\log_2 x^2 + 4\pi x + 7} = 2^{10}$ $x^2 + 5x + 7 = 1$ $x^3 + 5x + 6 = 0$ $(x + 3)(x + 2) = 0$ $x = -3.08$ $ 9$ Practice quiz on Exponents and Logarithms  7. Simplify $\log_2 2 - \log_2 9$ $\log_2 43$ $4$ $9. 3$ $7.                                    $	1/1 Punkten  1/1 Punkten	
	2 loss of victor 1 = 20  x² + 5x + 7 = 1  x² + 5x + 6 = 0  (x + 3)(x + 2) = 0  x = -3 on  Practice quiz on toponents and Logarithms Oncepture views  7. Simplify logs 22 — logs 9  logs 4  logs 63  4  3  views by the quictient rule, this is slog 2 longin (sings)(virse(72)(99)—Vog 2 (2/3)—Panel Calign)  8. Simplify logs 9 — long 3 + logs 6  Practice quiz on Exponents and Logarithms Ourspears due  9 to logs 9  views by the quictient and Product Rules, this is Vog 3 longin (sligns)(frac(9 Vilmes 5)(3)) foral (aligns) virse (2/3) is simplify logs (3/3 × 5)  (5 × logs 3) + (7 × logs 5)  15 × logs 50  Practice quiz on Exponents and Logarithms Ourspears due  Views for apply the Product Rules to convert to the sum: long (3*) + logs (5*). Then apply the product Rules of convert to the sum: long (3*) + logs (5*). Then apply the product rules of convert to the sum: long (3*) + logs (5*). Then apply the product Rules of convert to the sum: long (3*) + logs (5*). Then apply the product rules of convert to the sum: long (3*) + logs (5*). Then apply the product rules of convert to the sum: long (3*) + logs (5*). Then apply the product rules of convert to the sum: long (3*) + logs (5*). Then apply the product Rules of convert to the sum: long (3*) + logs (5*). Then apply the product rules of convert to the sum: long (3*) + logs (5*). Then apply the product rules of convert to the sum: long (3*) + logs (5*). Then apply the product rules of convert to the sum: long (3*) + logs (5*). Then apply the product rules of convert to the sum: long (3*) + logs (5*). Then apply the product rules of convert to the sum: long (3*) + logs (5*). Then apply the product rules of convert to the sum: long (3*) + logs (5*). Then apply the product rules of convert to the sum: long (3*) + logs (3*). Then apply the product rules of convert to the sum: long (3*) + logs (3*). Then apply the product rules of convert to the sum: long (3*) + logs (3*). Then apply the product rules of convert	1/1 Punkten  1/1 Punkten	