

Name: _____

Class: _____

Date: _____

Indices Pre-test

Q1. Which of the following is equivalent to 3^3 ?

- a) 9 b) 6 c) 27 d) 33

Q2. Which of the following is equivalent to $3^5 \div 3^2$

- a) 3^3 b) 1^3 c) $3^{2.5}$ d) $1^{2.5}$

Q3. $2^3 \times 2^2$ is equal to

- a) 4^6 b) 4^5 c) 2^6 d) 2^5

Q4. $2^4 \times 3^2 =$

- a) 5^6 b) 6^8 c) 6^6 d) None of these options

Q5. $(2^3)^4 =$

- a) 2^{12} b) 2^7 c) 6^4 d) None of these options

Q6. What does $(3^0)^5$ equal?

- a) 5 b) 0 c) 1 d) 3^5

Q7. Simplify: $2p^3 \times p$

- a) $2p^3$ b) $3p^3$ c) $2p^3 \times p$ d) $2p^4$

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Q8. What does 9^{-1} equal?

- a) $\frac{-1}{9}$ b) -9 c) 8 d) $\frac{1}{9}$

Q9. $\left(\frac{1}{5}\right)^{-1}$ is equal to

- a) $-\frac{4}{5}$ b) $-\frac{1}{5}$ c) -5 d) 5

Q10. 0.00005 in Scientific Notation is

- a) 1×10^{-5} b) 5×10^{-5} c) 5×10^5 d) 5

Q11. Which of the following is 2871500 in Scientific Notation with 3 significant figures?

- a) 2.872×10^6 b) 2.87×10^{-6} c) 2.87×10^6 d) 287×10^4