

Exponential & Logarithmic Functions Quiz Review Guide**I. Simplify each exponential expression:**

- Remember the laws of exponents.

1. $(b^6)^{4x-2}$

2. $5^{x-3} \bullet 5^{2x+1}$

3. $9^{a+4b} \bullet 3^{2a+b}$

4. $(7b^{2x})^3$

5. $(4^2)^{3x-5} \bullet 4^{7x+8}$

6. $(m^{2x+5})^{3x}$

II. Solve each equation:

- Common bases needed to make exponents equal each other.
- Calculator Method: Y1 = Left Side and Y2 = Right Side → Find intersection

7. $7^{2x+3} = 7^{6x-1}$

8. $(2^3)^{7-2x} = 8^{2x-9}$

9. $(3^2)^{3x+1} = (3^3)^{x+4}$

10. $4^{2x+3} = 16^{x-1}$

11. $3^{5-x} = 27^{2x}$

12. $5^{3x+1} = 25^{x+4}$

Exponential Functions Worksheet With Answers

Tao Wei



Exponential Functions Worksheet With Answers:

Exponential Functions Worksheet With Answers Book Review: Unveiling the Magic of Language

In an electronic era where connections and knowledge reign supreme, the enchanting power of language has become more apparent than ever. Its ability to stir emotions, provoke thought, and instigate transformation is really remarkable. This extraordinary book, aptly titled "**Exponential Functions Worksheet With Answers**," written by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we shall delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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