

Simple Product Rule

Name: _____ Date: _____

Directions: Apply the product rule to solve for these problems. Remember your answer should be written as a single exponent.

1.) $12^8 \cdot 12^3 =$

11.) $9^7 \cdot 9^4 =$

2.) $4^2 \cdot 4^9 =$

12.) $11^4 \cdot 11^{12} =$

3.) $6^5 \cdot 6^3 =$

13.) $22^6 \cdot 22^3 =$

4.) $10^7 \cdot 10^2 =$

14.) $8^{13} \cdot 8^6 =$

5.) $3^4 \cdot 3^6 =$

15.) $19^4 \cdot 19^{10} =$

6.) $17^8 \cdot 17^4 =$

16.) $20^2 \cdot 20^9 =$

7.) $9^{10} \cdot 9^3 =$

17.) $5^{12} \cdot 5^{10} =$

8.) $2^{11} \cdot 2^9 =$

18.) $7^8 \cdot 7^{12} =$

9.) $18^6 \cdot 18^{12} =$

19.) $13^3 \cdot 13^{12} =$

10.) $21^2 \cdot 21^8 =$

20.) $15^{20} \cdot 15^9 =$

