

Exponents Rules

Name: _____

Date: _____

Rewrite each expression using product rule.

1) $12^4 \times 12^9 =$ _____

2) $11^9 \times 11^{11} =$ _____

3) $18^5 \times 18^9 =$ _____

4) $10^7 \times 10^3 =$ _____

5) $3^6 \times 3^{10} =$ _____

6) $4^3 \times 4^5 =$ _____

7) $20^{15} \times 20^2 =$ _____

8) $5^8 \times 5^8 =$ _____

9) $3^5 \times 3^4 =$ _____

10) $8^{16} \times 8^2 =$ _____

11) $5^3 \times 5^3 =$ _____

12) $2^9 \times 2^6 =$ _____

13) $2^4 \times 2^8 =$ _____

14) $4^6 \times 4^{11} =$ _____

15) $17^4 \times 17^9 =$ _____

16) $7^2 \times 7^{13} =$ _____

17) $2^{12} \times 2^4 =$ _____

18) $13^5 \times 13^{15} =$ _____

19) $4^9 \times 4^8 =$ _____

20) $15^7 \times 15^8 =$ _____

Exponents Rules

Name: _____

Date: _____

Rewrite each expression using product rule.

1) $12^4 \times 12^9 = \underline{12^{13}}$

2) $11^9 \times 11^{11} = \underline{11^{20}}$

3) $18^5 \times 18^9 = \underline{18^{14}}$

4) $10^7 \times 10^3 = \underline{10^{10}}$

5) $3^6 \times 3^{10} = \underline{3^{16}}$

6) $4^3 \times 4^5 = \underline{4^8}$

7) $20^{15} \times 20^2 = \underline{20^{17}}$

8) $5^8 \times 5^8 = \underline{5^{16}}$

9) $3^5 \times 3^4 = \underline{3^9}$

10) $8^{16} \times 8^2 = \underline{8^{18}}$

11) $5^3 \times 5^3 = \underline{5^6}$

12) $2^9 \times 2^6 = \underline{2^{15}}$

13) $2^4 \times 2^8 = \underline{2^{12}}$

14) $4^6 \times 4^{11} = \underline{4^{17}}$

15) $17^4 \times 17^9 = \underline{17^{13}}$

16) $7^2 \times 7^{13} = \underline{7^{15}}$

17) $2^{12} \times 2^4 = \underline{2^{16}}$

18) $13^5 \times 13^{15} = \underline{13^{20}}$

19) $4^9 \times 4^8 = \underline{4^{17}}$

20) $15^7 \times 15^8 = \underline{15^{15}}$