

Exponents Rules

Name: _____

Date: _____

Rewrite each expression using product rule.

1) $3^4 \times 3^3 =$ _____

2) $6^7 \times 6^6 =$ _____

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

4) $11^3 \times 11^9 =$ _____

5) $11^4 \times 11^3 =$ _____

6) $16^6 \times 16^4 =$ _____

7) $6^6 \times 6^3 =$ _____

8) $5^7 \times 5^4 =$ _____

9) $8^6 \times 8^1 =$ _____

10) $4^6 \times 4^3 =$ _____

11) $4^8 \times 4^2 =$ _____

12) $15^4 \times 15^3 =$ _____

13) $9^5 \times 9^2 =$ _____

14) $5^8 \times 5^4 =$ _____

15) $13^3 \times 13^9 =$ _____

16) $2^6 \times 2^{11} =$ _____

17) $7^6 \times 7^5 =$ _____

18) $9^9 \times 9^2 =$ _____

19) $10^4 \times 10^{11} =$ _____

20) $13^7 \times 13^{10} =$ _____

Exponents Rules

Name: _____

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Rewrite each expression using product rule.

1) $3^4 \times 3^3 = \underline{3^7}$

2) $6^7 \times 6^6 = \underline{6^{13}}$

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

4) $11^3 \times 11^9 = \underline{11^{12}}$

5) $11^4 \times 11^3 = \underline{11^7}$

6) $16^6 \times 16^4 = \underline{16^{10}}$

7) $6^6 \times 6^3 = \underline{6^9}$

8) $5^7 \times 5^4 = \underline{5^{11}}$

9) $8^6 \times 8^1 = \underline{8^7}$

10) $4^6 \times 4^3 = \underline{4^9}$

11) $4^8 \times 4^2 = \underline{4^{10}}$

12) $15^4 \times 15^3 = \underline{15^7}$

13) $9^5 \times 9^2 = \underline{9^7}$

14) $5^8 \times 5^4 = \underline{5^{12}}$

15) $13^3 \times 13^9 = \underline{13^{12}}$

16) $2^6 \times 2^{11} = \underline{2^{17}}$

17) $7^6 \times 7^5 = \underline{7^{11}}$

18) $9^9 \times 9^2 = \underline{9^{11}}$

19) $10^4 \times 10^{11} = \underline{10^{15}}$

20) $13^7 \times 13^{10} = \underline{13^{17}}$