

Exponents Rules

Name: _____

Date: _____

Rewrite each expression using product rule.

1) $20^2 \times 20^{15} =$ _____

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

3) $13^{14} \times 13^5 =$ _____

4) $14^2 \times 14^{12} =$ _____

5) $4^7 \times 4^9 =$ _____

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

7) $3^{13} \times 3^7 =$ _____

8) $6^{16} \times 6^3 =$ _____

9) $2^9 \times 2^{10} =$ _____

10) $8^8 \times 8^4 =$ _____

11) $10^{11} \times 10^5 =$ _____

12) $20^5 \times 20^5 =$ _____

13) $7^8 \times 7^6 =$ _____

14) $12^{18} \times 12^1 =$ _____

15) $5^{10} \times 5^7 =$ _____

16) $9^{14} \times 9^6 =$ _____

17) $8^2 \times 8^3 =$ _____

18) $14^4 \times 14^7 =$ _____

19) $3^3 \times 3^3 =$ _____

20) $2^4 \times 2^{15} =$ _____

Exponents Rules

Name: _____

Date: _____

Rewrite each expression using product rule.

1) $20^2 \times 20^{15} = \underline{20^{17}}$

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

3) $13^{14} \times 13^5 = \underline{13^{19}}$

4) $14^2 \times 14^{12} = \underline{14^{14}}$

5) $4^7 \times 4^9 = \underline{4^{16}}$

6) $9^{10} \times 9^3 = \underline{9^{13}}$

7) $3^{13} \times 3^7 = \underline{3^{20}}$

8) $6^{16} \times 6^3 = \underline{6^{19}}$

9) $2^9 \times 2^{10} = \underline{2^{19}}$

10) $8^8 \times 8^4 = \underline{8^{12}}$

11) $10^{11} \times 10^5 = \underline{10^{16}}$

12) $20^5 \times 20^5 = \underline{20^{10}}$

13) $7^8 \times 7^6 = \underline{7^{14}}$

14) $12^{18} \times 12^1 = \underline{12^{19}}$

15) $5^{10} \times 5^7 = \underline{5^{17}}$

16) $9^{14} \times 9^6 = \underline{9^{20}}$

17) $8^2 \times 8^3 = \underline{8^5}$

18) $14^4 \times 14^7 = \underline{14^{11}}$

19) $3^3 \times 3^3 = \underline{3^6}$

20) $2^4 \times 2^{15} = \underline{2^{19}}$