

Exponents Rules

Name: _____

Date: _____

Rewrite each expression using product rule.

1) $5^2 \times 5^5 =$ _____

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

3) $8^4 \times 8^4 =$ _____

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

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

6) $2^9 \times 2^8 =$ _____

7) $2^7 \times 2^3 =$ _____

8) $12^{10} \times 12^2 =$ _____

9) $3^4 \times 3^8 =$ _____

10) $16^2 \times 16^{12} =$ _____

11) $6^7 \times 6^9 =$ _____

12) $13^4 \times 13^5 =$ _____

13) $9^6 \times 9^5 =$ _____

14) $15^6 \times 15^5 =$ _____

15) $2^9 \times 2^5 =$ _____

16) $9^7 \times 9^2 =$ _____

17) $5^3 \times 5^3 =$ _____

18) $2^7 \times 2^8 =$ _____

19) $2^8 \times 2^4 =$ _____

20) $4^6 \times 4^2 =$ _____

Exponents Rules

Name: _____

Date: _____

Rewrite each expression using product rule.

1) $5^2 \times 5^5 = \underline{5^7}$

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

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

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

5) $4^3 \times 4^6 = \underline{4^9}$

6) $2^9 \times 2^8 = \underline{2^{17}}$

7) $2^7 \times 2^3 = \underline{2^{10}}$

8) $12^{10} \times 12^2 = \underline{12^{12}}$

9) $3^4 \times 3^8 = \underline{3^{12}}$

10) $16^2 \times 16^{12} = \underline{16^{14}}$

11) $6^7 \times 6^9 = \underline{6^{16}}$

12) $13^4 \times 13^5 = \underline{13^9}$

13) $9^6 \times 9^5 = \underline{9^{11}}$

14) $15^6 \times 15^5 = \underline{15^{11}}$

15) $2^9 \times 2^5 = \underline{2^{14}}$

16) $9^7 \times 9^2 = \underline{9^9}$

17) $5^3 \times 5^3 = \underline{5^6}$

18) $2^7 \times 2^8 = \underline{2^{15}}$

19) $2^8 \times 2^4 = \underline{2^{12}}$

20) $4^6 \times 4^2 = \underline{4^8}$