

Exponents Rules

Name: _____

Date: _____

Rewrite each expression using quotient rule.

1) $34^{39} \div 34^{17} =$ _____

2) $71^{35} \div 71^{22} =$ _____

3) $29^{20} \div 29^{13} =$ _____

4) $44^{27} \div 44^{18} =$ _____

5) $31^{29} \div 31^4 =$ _____

6) $38^{33} \div 38^{20} =$ _____

7) $5^{25} \div 5^{25} =$ _____

8) $76^{38} \div 76^{31} =$ _____

9) $62^{34} \div 62^{24} =$ _____

10) $8^{21} \div 8^{15} =$ _____

11) $35^{23} \div 35^9 =$ _____

12) $74^{28} \div 74^{20} =$ _____

13) $15^{26} \div 15^5 =$ _____

14) $5^{32} \div 5^{26} =$ _____

15) $55^{36} \div 55^{25} =$ _____

16) $89^{30} \div 89^{19} =$ _____

17) $64^{31} \div 64^{22} =$ _____

18) $4^{24} \div 4^{16} =$ _____

19) $39^{22} \div 39^{12} =$ _____

20) $22^{37} \div 22^{23} =$ _____

Exponents Rules

Name: _____

Date: _____

Rewrite each expression using quotient rule.

1) $34^{39} \div 34^{17} = \underline{34^{22}}$

2) $71^{35} \div 71^{22} = \underline{71^{13}}$

3) $29^{20} \div 29^{13} = \underline{29^7}$

4) $44^{27} \div 44^{18} = \underline{44^9}$

5) $31^{29} \div 31^4 = \underline{31^{25}}$

6) $38^{33} \div 38^{20} = \underline{38^{13}}$

7) $5^{25} \div 5^{25} = \underline{5^0}$

8) $76^{38} \div 76^{31} = \underline{76^7}$

9) $62^{34} \div 62^{24} = \underline{62^{10}}$

10) $8^{21} \div 8^{15} = \underline{8^6}$

11) $35^{23} \div 35^9 = \underline{35^{14}}$

12) $74^{28} \div 74^{20} = \underline{74^8}$

13) $15^{26} \div 15^5 = \underline{15^{21}}$

14) $5^{32} \div 5^{26} = \underline{5^6}$

15) $55^{36} \div 55^{25} = \underline{55^{11}}$

16) $89^{30} \div 89^{19} = \underline{89^{11}}$

17) $64^{31} \div 64^{22} = \underline{64^9}$

18) $4^{24} \div 4^{16} = \underline{4^8}$

19) $39^{22} \div 39^{12} = \underline{39^{10}}$

20) $22^{37} \div 22^{23} = \underline{22^{14}}$