

Exponents Rules

Name: _____

Date: _____

Rewrite each expression using power rule.

1) $(32^{11})^4 =$ _____

2) $(19^7)^9 =$ _____

3) $(24^8)^8 =$ _____

4) $(18^{13})^5 =$ _____

5) $(35^{12})^6 =$ _____

6) $(27^{13})^4 =$ _____

7) $(22^{15})^4 =$ _____

8) $(37^3)^{12} =$ _____

9) $(20^{14})^5 =$ _____

10) $(31^{11})^6 =$ _____

11) $(38^{18})^2 =$ _____

12) $(33^{15})^6 =$ _____

13) $(44^{17})^3 =$ _____

14) $(30^{12})^5 =$ _____

15) $(41^{13})^3 =$ _____

16) $(1^{19})^3 =$ _____

17) $(36^{11})^8 =$ _____

18) $(5^{10})^4 =$ _____

Exponents Rules

Name: _____

Date: _____

Rewrite each expression using power rule.

1) $(32^{11})^4 = \underline{32^{44}}$

2) $(19^7)^9 = \underline{19^{63}}$

3) $(24^8)^8 = \underline{24^{64}}$

4) $(18^{13})^5 = \underline{18^{65}}$

5) $(35^{12})^6 = \underline{35^{72}}$

6) $(27^{13})^4 = \underline{27^{52}}$

7) $(22^{15})^4 = \underline{22^{60}}$

8) $(37^3)^{12} = \underline{37^{36}}$

9) $(20^{14})^5 = \underline{20^{70}}$

10) $(31^{11})^6 = \underline{31^{66}}$

11) $(38^{18})^2 = \underline{38^{36}}$

12) $(33^{15})^6 = \underline{33^{90}}$

13) $(44^{17})^3 = \underline{44^{51}}$

14) $(30^{12})^5 = \underline{30^{60}}$

15) $(41^{13})^3 = \underline{41^{39}}$

16) $(1^{19})^3 = \underline{1^{57}}$

17) $(36^{11})^8 = \underline{36^{88}}$

18) $(5^{10})^4 = \underline{5^{40}}$