

# Exponents Rules

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Rewrite each expression using power rule.

1)  $(8^6)^4 =$  \_\_\_\_\_

2)  $(12^7)^4 =$  \_\_\_\_\_

3)  $(14^3)^3 =$  \_\_\_\_\_

4)  $(10^4)^3 =$  \_\_\_\_\_

5)  $(15^9)^6 =$  \_\_\_\_\_

6)  $(17^6)^7 =$  \_\_\_\_\_

7)  $(12^7)^5 =$  \_\_\_\_\_

8)  $(17^6)^6 =$  \_\_\_\_\_

9)  $(29^4)^8 =$  \_\_\_\_\_

10)  $(25^5)^6 =$  \_\_\_\_\_

11)  $(18^8)^5 =$  \_\_\_\_\_

12)  $(23^5)^9 =$  \_\_\_\_\_

13)  $(14^7)^6 =$  \_\_\_\_\_

14)  $(22^{12})^2 =$  \_\_\_\_\_

15)  $(27^{13})^3 =$  \_\_\_\_\_

16)  $(11^{12})^3 =$  \_\_\_\_\_

17)  $(16^{11})^4 =$  \_\_\_\_\_

18)  $(9^7)^7 =$  \_\_\_\_\_

# Exponents Rules

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Rewrite each expression using power rule.

1)  $(8^6)^4 = \underline{8^{24}}$

2)  $(12^7)^4 = \underline{12^{28}}$

3)  $(14^3)^3 = \underline{14^9}$

4)  $(10^4)^3 = \underline{10^{12}}$

5)  $(15^9)^6 = \underline{15^{54}}$

6)  $(17^6)^7 = \underline{17^{42}}$

7)  $(12^7)^5 = \underline{12^{35}}$

8)  $(17^6)^6 = \underline{17^{36}}$

9)  $(29^4)^8 = \underline{29^{32}}$

10)  $(25^5)^6 = \underline{25^{30}}$

11)  $(18^8)^5 = \underline{18^{40}}$

12)  $(23^5)^9 = \underline{23^{45}}$

13)  $(14^7)^6 = \underline{14^{42}}$

14)  $(22^{12})^2 = \underline{22^{24}}$

15)  $(27^{13})^3 = \underline{27^{39}}$

16)  $(11^{12})^3 = \underline{11^{36}}$

17)  $(16^{11})^4 = \underline{16^{44}}$

18)  $(9^7)^7 = \underline{9^{49}}$