Exponents Rules

Name:_____ Date:_____

Rewrite each expression using power rule.

1) $(29^{17})^4 =$ _____

2) $(49^5)^{19} =$ _____

3) $(28^{18})^6 =$ _____

4) $(30^{10})^5 =$ _____

5) $(33^{16})^6 =$ _____

6) $(47^{13})^5 =$ _____

7) $(32^{18})^5 =$ _____

8) $(40^{13})^6 =$ _____

9) $(44^{19})^6 =$ _____

10) $(45^{25})^3 =$ _____

11) $(51^{27})^3 =$ _____

12) $(48^{24})^4 =$ _____

13) $(54^{29})^2 =$ _____

14) $(60^{26})^4 =$ _____

15) $(2^{23})^5 =$ _____

16) $(25^{19})^6 =$ _____

17) $(50^{12})^8 =$ _____

18) $(4^{20})^4 =$ _____

Exponents Rules

Name:_____ Date:_____

Rewrite each expression using power rule.

1) $(29^{17})^4 = \underline{29^{68}}$

2) $(49^5)^{19} = \underline{49^{95}}$

3) $(28^{18})^6 = \underline{28^{108}}$

4) $(30^{10})^5 = \underline{30^{50}}$

5) $(33^{16})^6 = \underline{33^{96}}$

6) $(47^{13})^5 = \underline{47^{65}}$

7) $(32^{18})^5 = \underline{32^{90}}$

8) $(40^{13})^6 = \underline{40^{78}}$

9) $(44^{19})^6 = \underline{44^{114}}$

10) $(45^{25})^3 = \underline{45^{75}}$

11) $(51^{27})^3 = \underline{51^{81}}$

12) $(48^{24})^4 = \underline{48^{96}}$

13) $(54^{29})^2 = \underline{54^{58}}$

14) $(60^{26})^4 = \underline{60^{104}}$

15) $(2^{23})^5 = \underline{2^{115}}$

16) $(25^{19})^6 = \underline{25^{114}}$

17) $(50^{12})^8 = \underline{50^{96}}$

18) $(4^{20})^4 = \underline{4^{80}}$