

Power to Power Rule WS

Date _____ Period _____

Simplify. Your answer should contain only positive exponents.

1) $(3n)^2$

2) $(a^9)^{10}$

3) $(3b^3)^6$

4) $(3b^8)^7$

5) $(u^6v^8)^5$

6) $(2m^4n^8)^4$

7) $(2y^6)^5$

8) $(3yx^5)^3$

9) $(3h^7j^9k^3)^3$

10) $(2m^6n^5p^{10})^6$

11) $(2y^4z^2)^7$

12) $(2nm^5p^9)^7$

13) $(3m^5p^{10}q^4)^6$

14) $(3m^8n^7p^5)^4$