

Powers & Exponents

Date _____ Period _____

Simplify the expressions. 1) "Stretch" (expand) the expression 2) Rearrange then 3) Simplify.

1) $5vu^2 \cdot u^3$

2) $2ba^3 \cdot b^2$

3) $4xy^3 \cdot 5x^2y^3$

4) $5ab^2 \cdot 3b$

5) $(2yx^2 \cdot 3y^3)^3$

6) $(xy^2)^3 \cdot 3xy^2$

7) $(mn)^3(6m^2n^2)^3$

8) $(2uv \cdot 2uv^2)^2$

9) $(5y^3)^2(3x^2y^3)^2$

10) $(6m^2n^3)^2(5m)^3$