**Properties of Exponents** Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9-2 Homework Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_\_\_\_\_\_

**Simplify. Your answer should only contain positive exponents.**

1) *n*⋅*n* 2) *a**b*⋅*a**b*

3) *x**y*⋅*x**y* 4) (*r*)

5) (*b*)6) (*x**y*)

7) 8) 

9)  10) 