Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_

# WS 1-5H

# Evaluate the expression.

# 1. $2^{-4}$ 2. $(-4^{3})^{-1}$ 3. $3^{-6}∙3^{6}$

# Rewrite the expression with positive exponents.

4. $x^{-2}$ 5. $x^{-5}y^{-2}$ 6. $6^{0}x$

Simplify.

7. $(3^{0})^{-4}$ 8. $5^{-5}∙5^{3}$ 9. $\frac{3^{4}3^{2}}{3^{6}}$

10. $ \frac{7^{0}}{7^{2}}$ 11.  12. 

Simplify, then evaluate the expression when a = 1 and b = 2.

13. $a^{-3}a^{0}$ 14. -($b^{-3})$

15. $\frac{a^{-1}}{b^{3}}∙b^{4}$ 16. $\frac{b^{2}}{ab^{-4}}$