

9-3 Product/Quotient of Powers

Name \_\_\_\_\_ Per. \_\_\_\_

Simplify the following problem and then evaluate them.

1.  $(-3)^2 \cdot (-3)^2$

2.  $4^2 \cdot 2^3 \cdot 4 \cdot 2^3$

3.  $2g^7 \cdot g^4 \cdot 4g^8$

4.  $\frac{5^7}{5^4}$

5.  $\frac{x^{10}}{x^3}$

6.  $\frac{3^4 \cdot 5^2 \cdot 7^5}{3^2 \cdot 5 \cdot 7^3}$

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