

Name: _____

Date: _____

Extra Practice (4.6)

Find each product or quotient. Express your answer using exponents.

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

2) $(-9)^2(-9)^2$

3) $(6b^3)(3b^4)$

4) $10t^2 \cdot 4t^{10}$

5) $\frac{100^9}{100^8}$

6) $\frac{(-2)^3}{-2}$

7) $\frac{g^{12}}{g^8}$

8) $\frac{(-z)^{12}}{(-z)^5}$

9) $(-21)^9(-21)^5$

10) $7j^{50} \cdot 6j^{50}$

11) $-5b^9 \cdot 6b^2$

12) $(-w)(-w)^9$

13) $\frac{95^{21}}{95^{18}}$

14) $\frac{(-7)^6}{(-7)^5}$

15) $\frac{18^4}{18^4}$

16) $\frac{n^8}{n}$

17) the product of five cubes and five to the fourth power

18) the quotient of x to the fifth power and x cubed