

Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

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### Operations with Exponents

Simplify the exponents.

1)  $\frac{7s^9}{3s}$

7)  $(2c \cdot 3c^3 \cdot c^2)^2$

2)  $\left(\frac{1}{s}\right)^5 \cdot \left(\frac{1}{s}\right)^2 \cdot \left(\frac{1}{s}\right)^4$

8)  $6g^2 \cdot 4g^4c^5$

3)  $(4cb^6)^5$

9)  $\left(\frac{7g^3n^4}{3gn^2}\right)^2$

4)  $\frac{9cy^4}{5c^3y^9}$

10)  $8k \cdot 6k^{-3}$

5)  $\left(\frac{br}{3b^4r^2}\right)^2$

11)  $\frac{3g^4}{4g^9}$

6)  $\left(\frac{2c^4}{6c}\right)^3$

12)  $(5y^4z)^4$

